

# Linux1

- Linux 설치

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1.CentOS.iso다운로드

# 1. CentOS ISO Download

## ▶ CentOS 공식 사이트 이동

www.centos.org



alternative downloads 클릭



# 1. CentOS ISO Download

## ▶ CentOS 버전 선택

Base Distribution -> mirrors 클릭

CentOS Linux Version	Minor release	CD and DVD ISO Images	Packages	Release Email	Release Notes	End-Of-Life
7	4 (1708)	DVD, Minimal, Everything, LiveGNOME, LiveKDE and NetInstall x86_64 images are available on <a href="#">mirrors</a> (checksums).	RPMs	CentOS	CentOS RHEL	30 June 2024
8	9	i386 x86_64	RPMs	CentOS	CentOS RHEL	30 Nov 2024**

# 1. CentOS ISO Download

## ▶ FTP 서버 선택

Actual Country

->[http://ftp.kaist.ac.kr/CentOS/7/isos/x86\\_64](http://ftp.kaist.ac.kr/CentOS/7/isos/x86_64)

### **CentOS on the Web: [CentOS.org](http://CentOS.org) | [Mailin](#)**

In order to conserve the limited bandwidth available .iso images

The following mirrors should have the ISO images available:

Actual Country -

[http://centos.mirror.cdnetworks.com/7/isos/x86\\_64/](http://centos.mirror.cdnetworks.com/7/isos/x86_64/)  
[http://mirror.oasis.onnetcorp.com/centos/7/isos/x86\\_64/](http://mirror.oasis.onnetcorp.com/centos/7/isos/x86_64/)  
[http://mirror.navercorp.com/centos/7/isos/x86\\_64/](http://mirror.navercorp.com/centos/7/isos/x86_64/)  
[http://data.nicehosting.co.kr/os/CentOS/7/isos/x86\\_64/](http://data.nicehosting.co.kr/os/CentOS/7/isos/x86_64/)  
[http://ftp.neowiz.com/centos/7/isos/x86\\_64/](http://ftp.neowiz.com/centos/7/isos/x86_64/)  
[http://ftp.daumkakao.com/centos/7/isos/x86\\_64/](http://ftp.daumkakao.com/centos/7/isos/x86_64/)  
[http://ftp.kaist.ac.kr/CentOS/7/isos/x86\\_64/](http://ftp.kaist.ac.kr/CentOS/7/isos/x86_64/)

Nearby Countries -

[http://ftp.nara.wide.ad.jp/pub/Linux/centos/7/isos/x86\\_64/](http://ftp.nara.wide.ad.jp/pub/Linux/centos/7/isos/x86_64/)  
[http://ftp.ijj.ad.jp/pub/linux/centos/7/isos/x86\\_64/](http://ftp.ijj.ad.jp/pub/linux/centos/7/isos/x86_64/)  
[http://ftp.sites.inl.inr.gov/centos/7/isos/x86\\_64/](http://ftp.sites.inl.inr.gov/centos/7/isos/x86_64/)

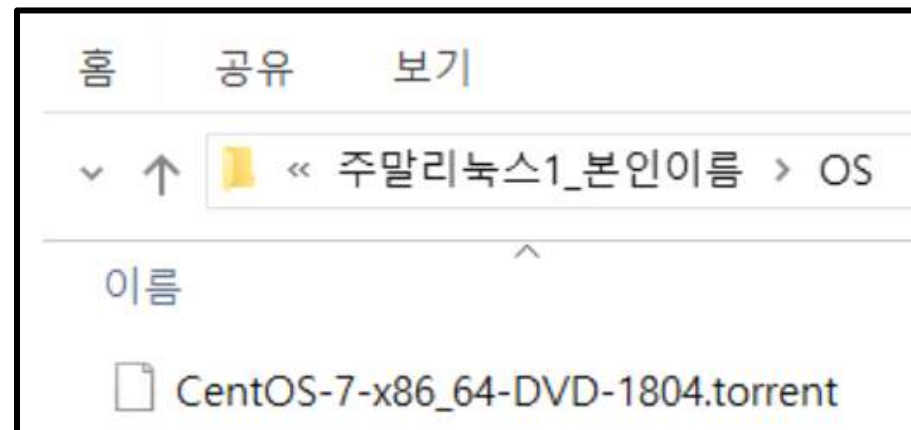
# 1. CentOS ISO Download

## ▶ FTP 서버 선택

CentOS-7-x86\_64-DVD-1611.torrent 다운로드



E:\주말리눅스1\_본인이름\OS\ 디렉토리에 저장



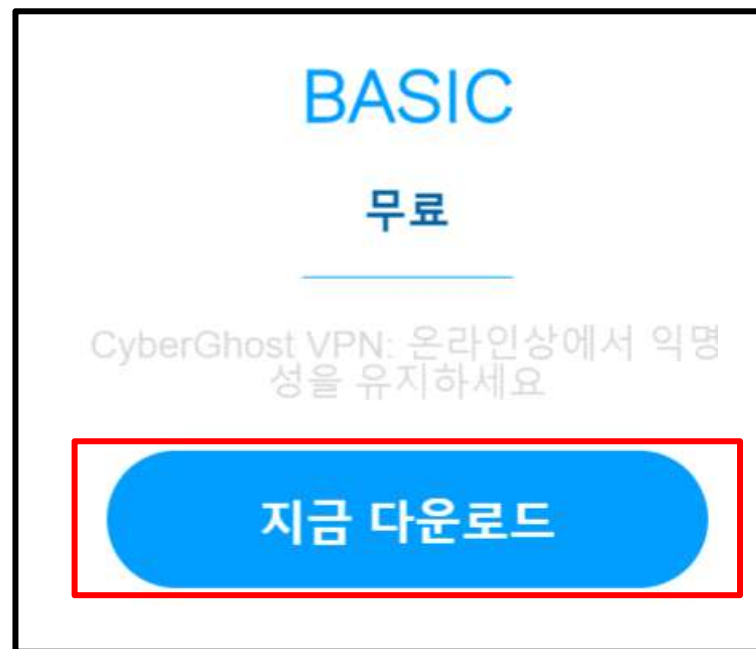
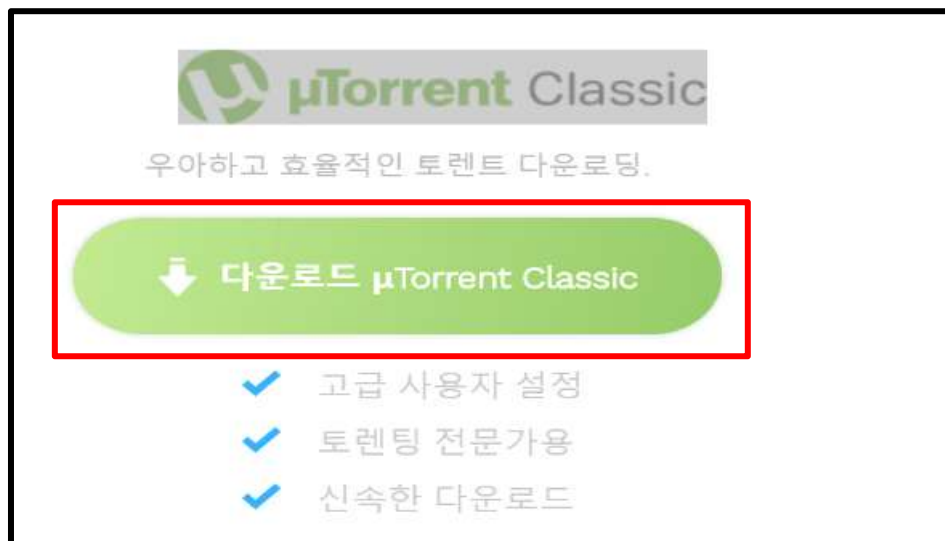
# 1. CentOS ISO Download

## ▶ Utorrent Download

<http://www.utorrent.com>



스크롤바 down -> Utorrent Classic 다운로드 클릭

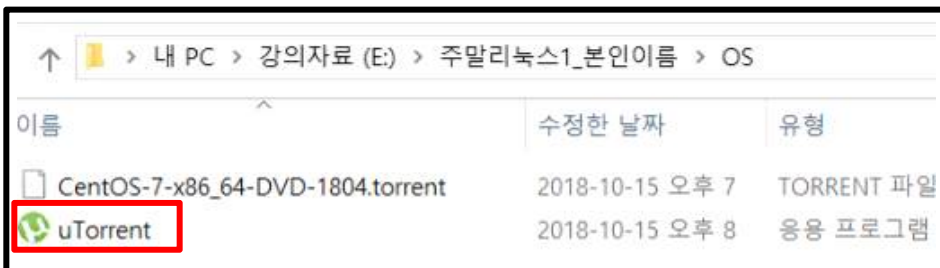




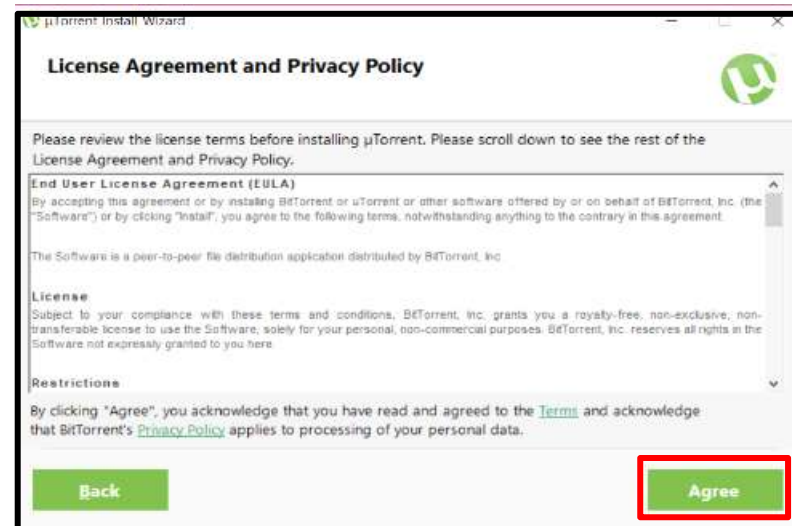
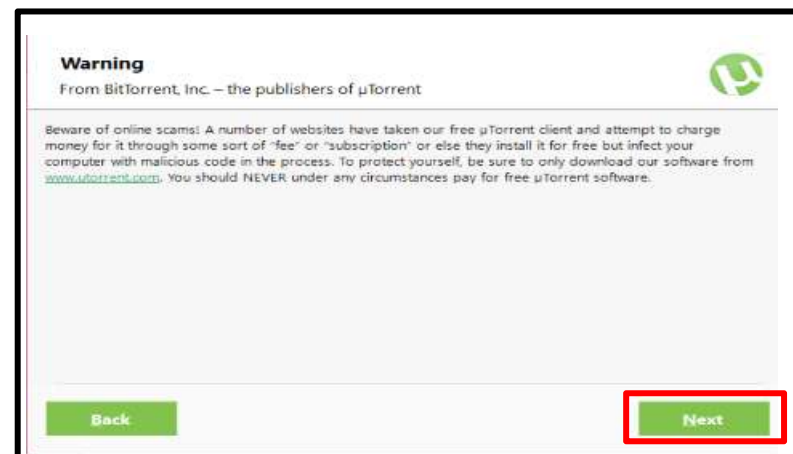
# 1. CentOS ISO Download

## ▶ Utorrent 실행

E:\주말리눅스1\_본인이름\OS\uTorrent.exe 더블클릭



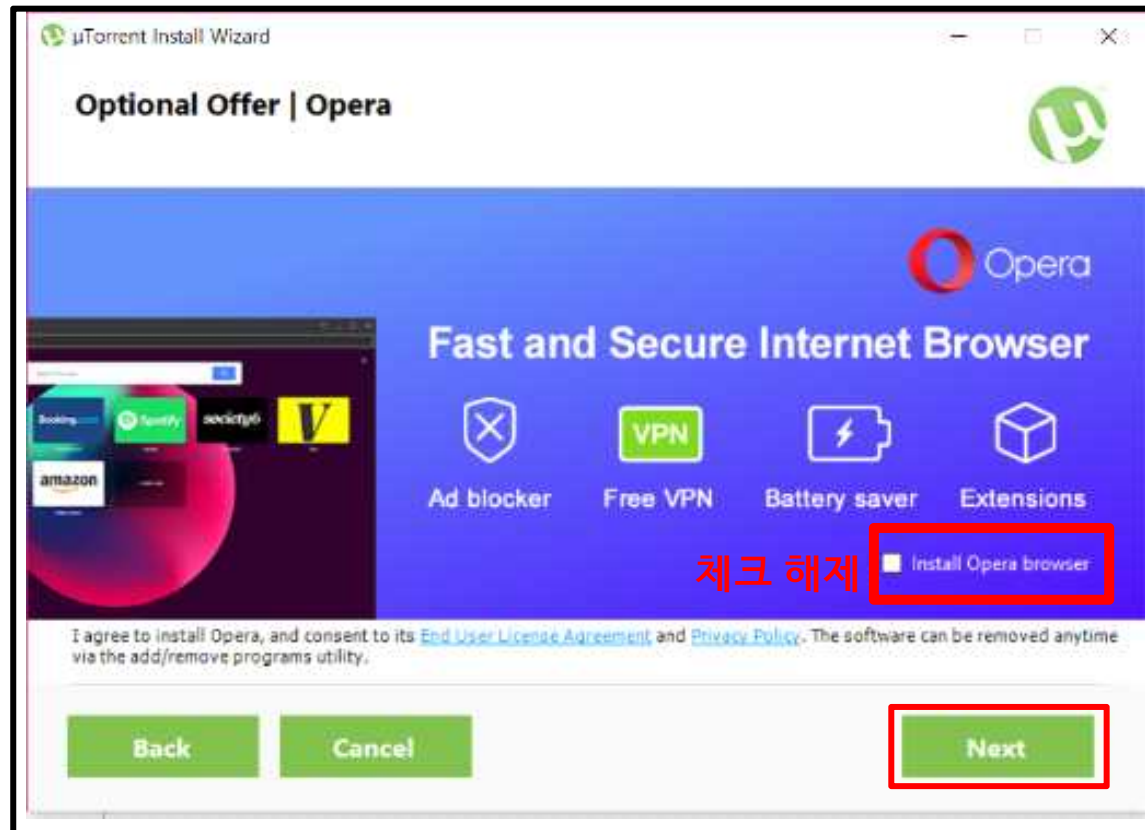
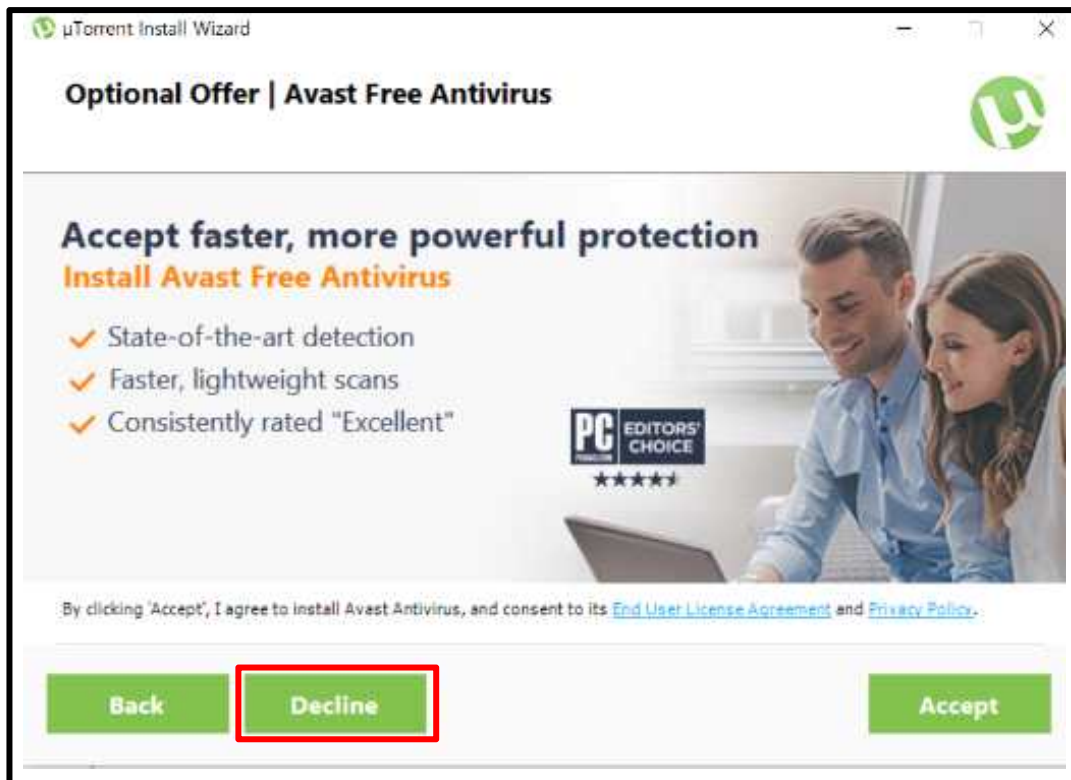
Utorrent 설치마법사 시작



# 1. CentOS ISO Download

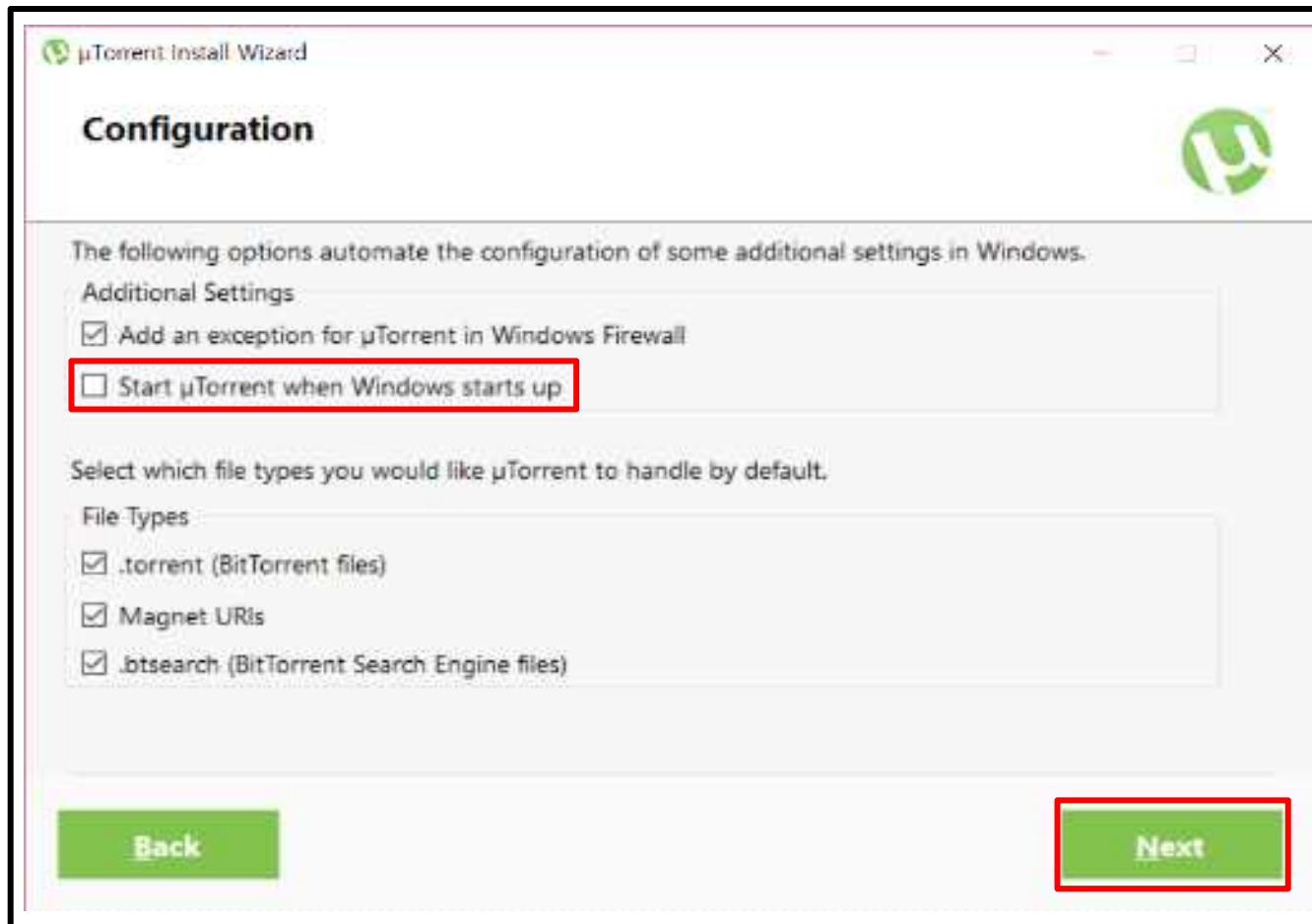
## ▶ Utorrent 설치 마법사 진행

Decline 클릭



# 1. CentOS ISO Download

## ▶ Utorrent 설치 마법사 진행



Start uTorrent when Windows starts up 체크해제

# 1. CentOS ISO Download

## ▶ Utorrent 설치 마법사 진행





Launch utorrent 체크해제 Finish

# 1. CentOS ISO Download

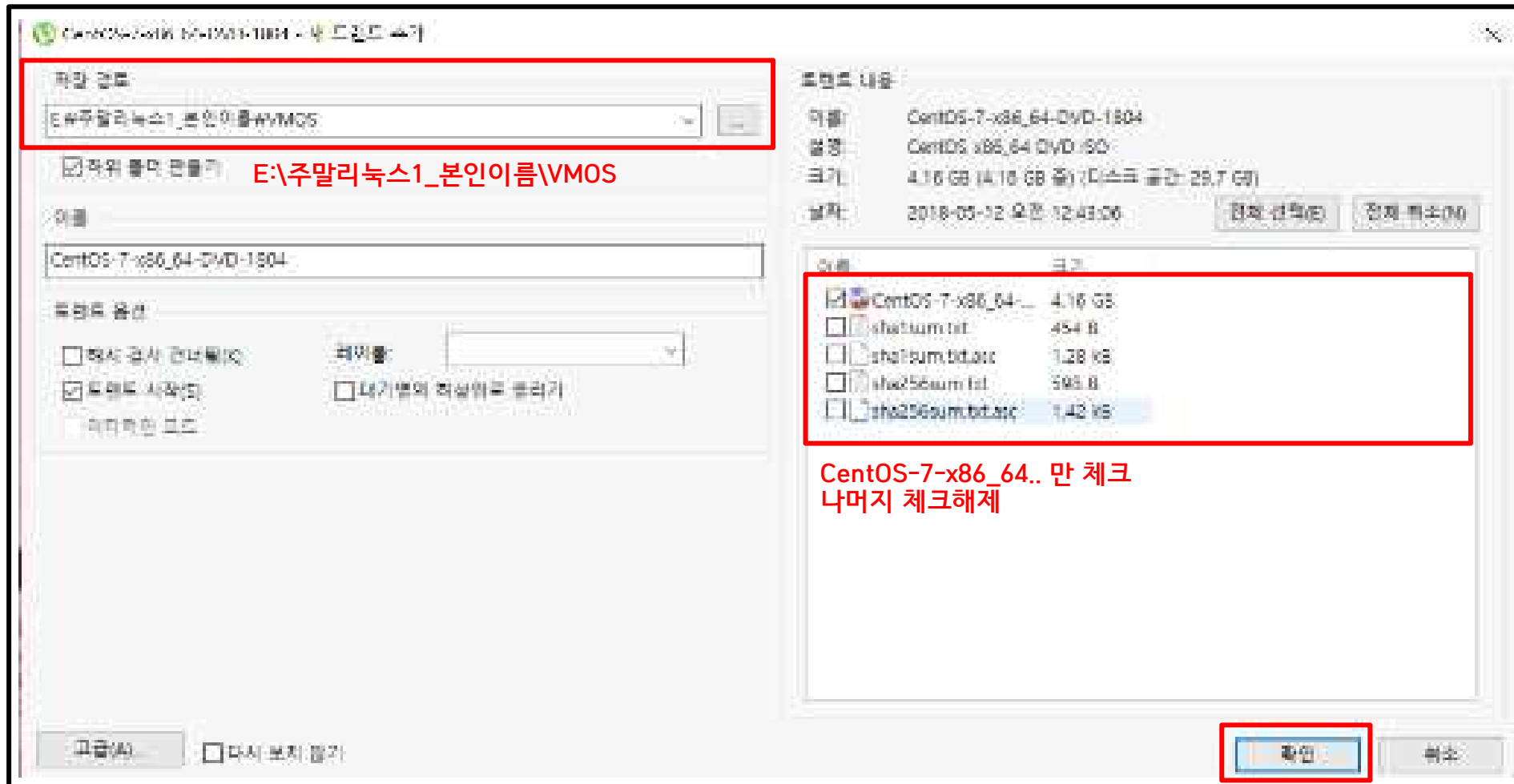
## ▶ 이미지.torrent 실행

CentOS-7-x86-64-DVD-1804 더블클릭

> 내 PC > 강의자료 (E:) > 주말리눅스1_본인이름 > OS			
이름	수정한 날짜	유형	크기
 CentOS-7-x86_64-DVD-1804	2018-10-15 오후 7	TORRENT 파일	84KB
 uTorrent	2018-10-15 오후 8	응용 프로그램	2,900KB

# 1. CentOS ISO Download

## ▶ 이미지.torrent 실행

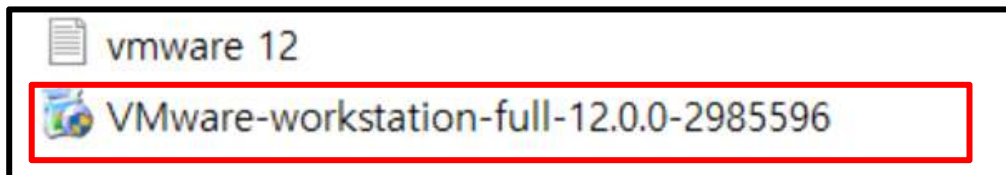


## 2.VMware 설정

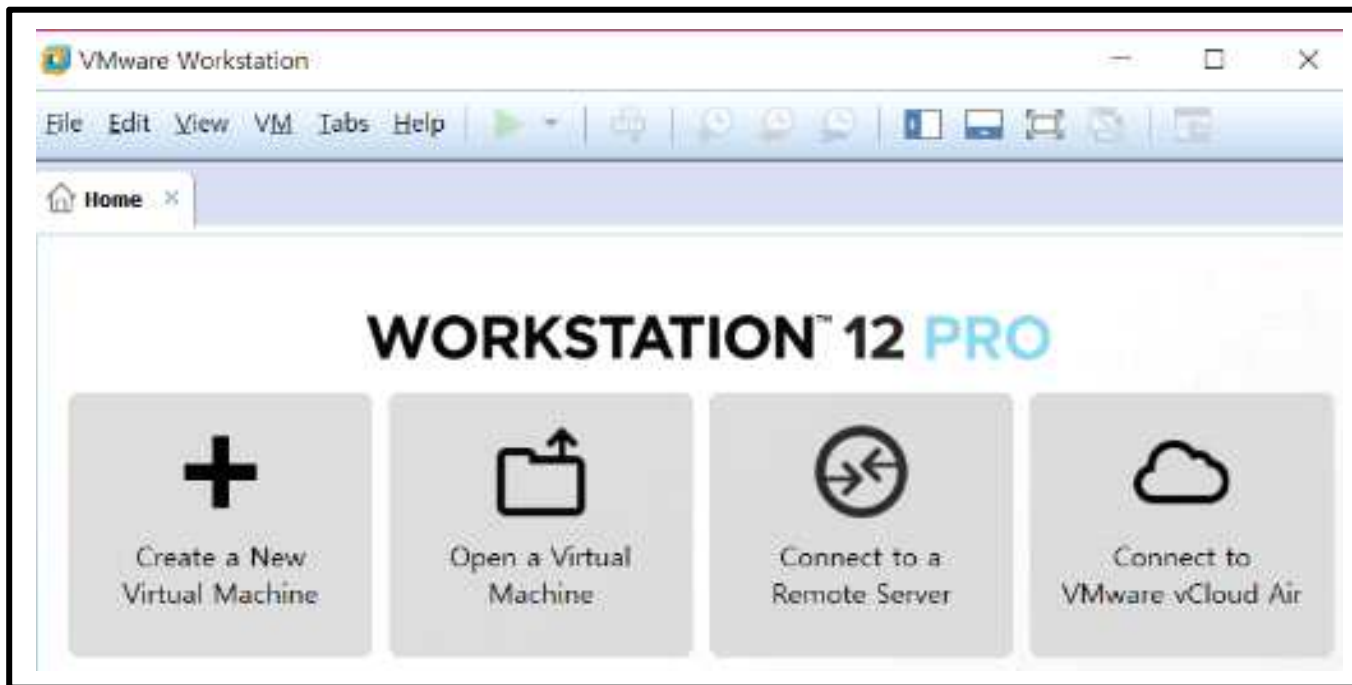
## 2. VMware 설정

### ▶ VMware 설치

0.설치 -> 2.Vmware 설치 ->vmware2->Vmware-workstation 클릭



설치 과정은 Next 계속 누르시면 됩니다(생략)

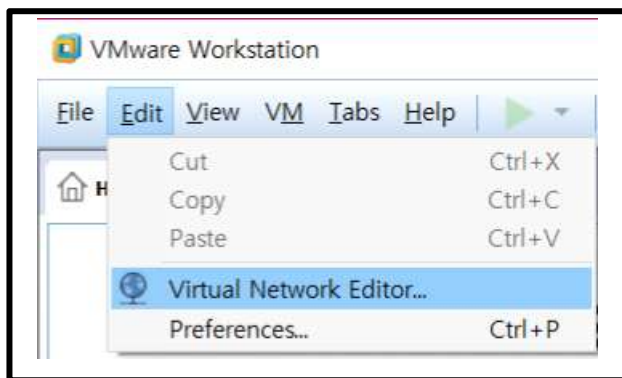




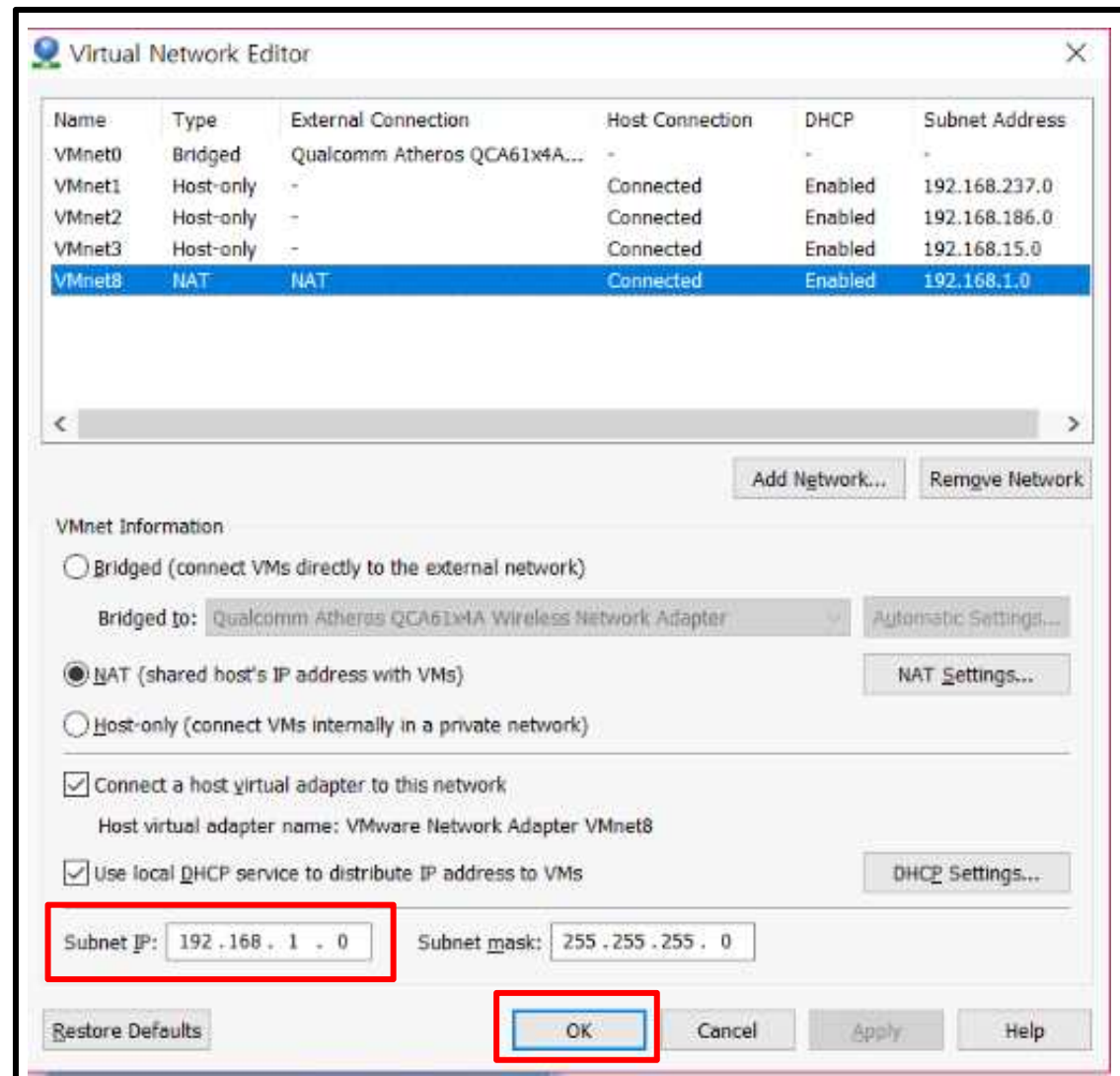
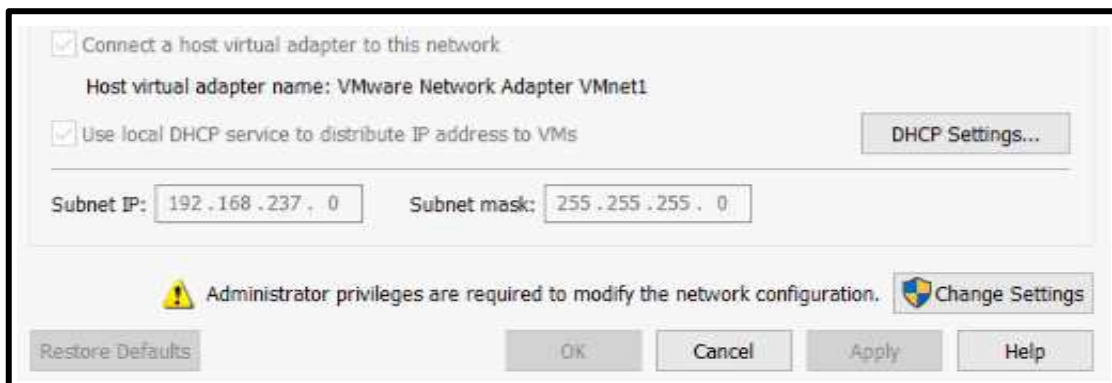
## 2. VMware 설정

### ▶ VMware Network 설정

Edit -> Virtual Network Editor



Change Setting 클릭

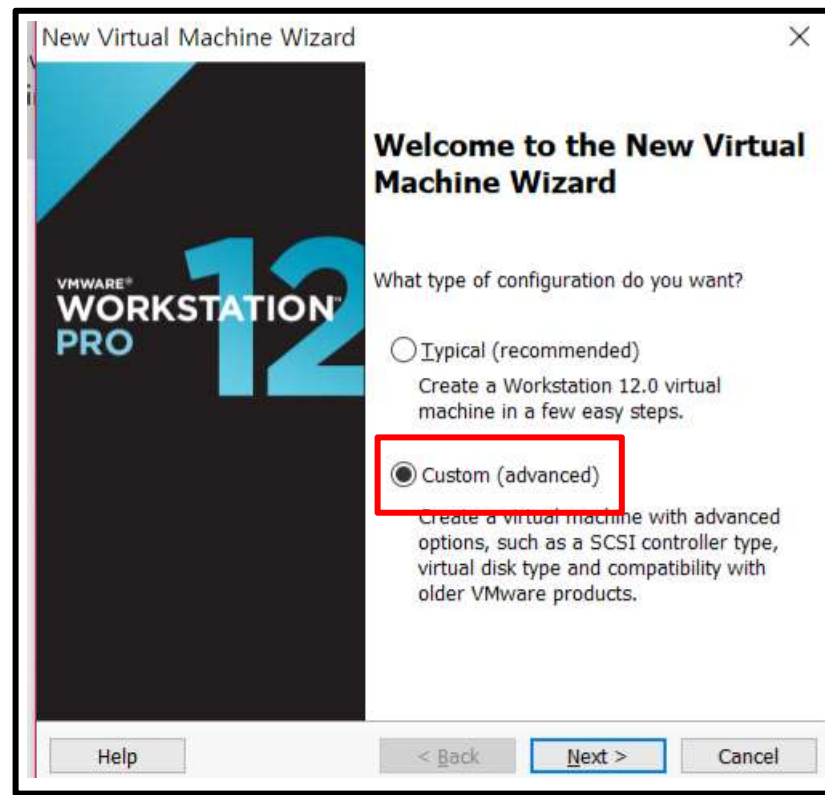
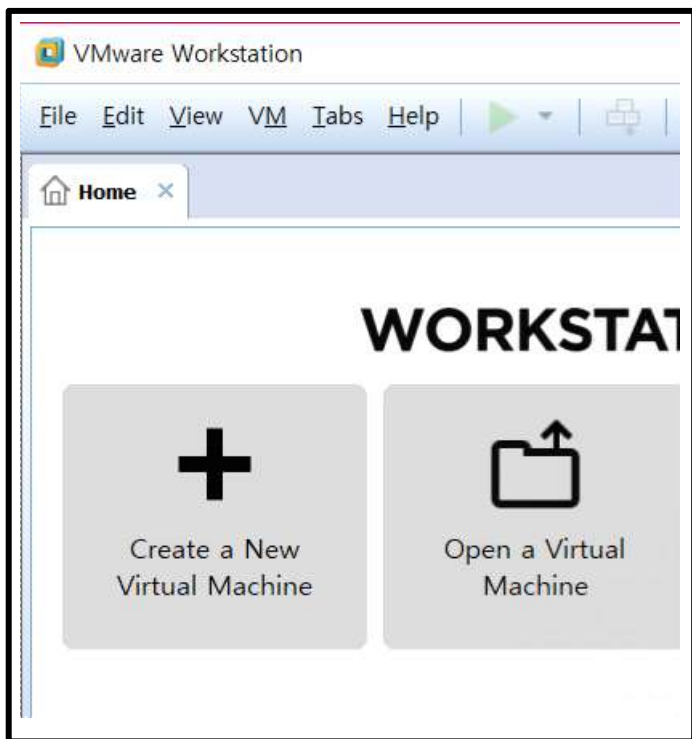


### 3. 가상머신 생성

### 3. 가상머신 생성

#### ▶ 가상머신 생성 마법사 시작

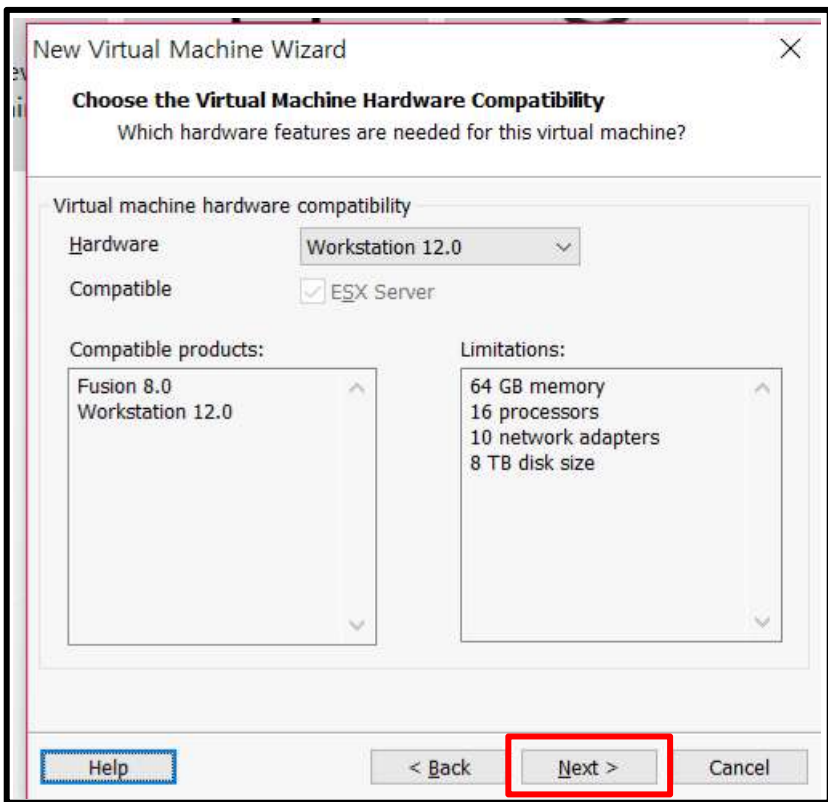
Vmware Workstation -> Create a New Virtual Maching 클릭



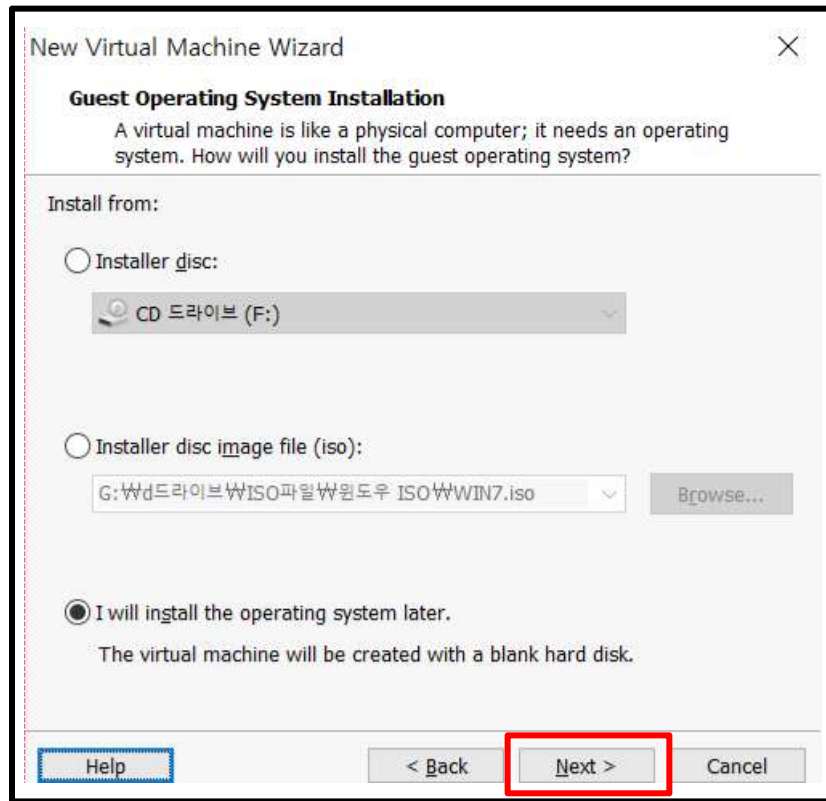
### 3. 가상머신 생성

#### ▶ 가상머신 생성 마법사 진행

Next



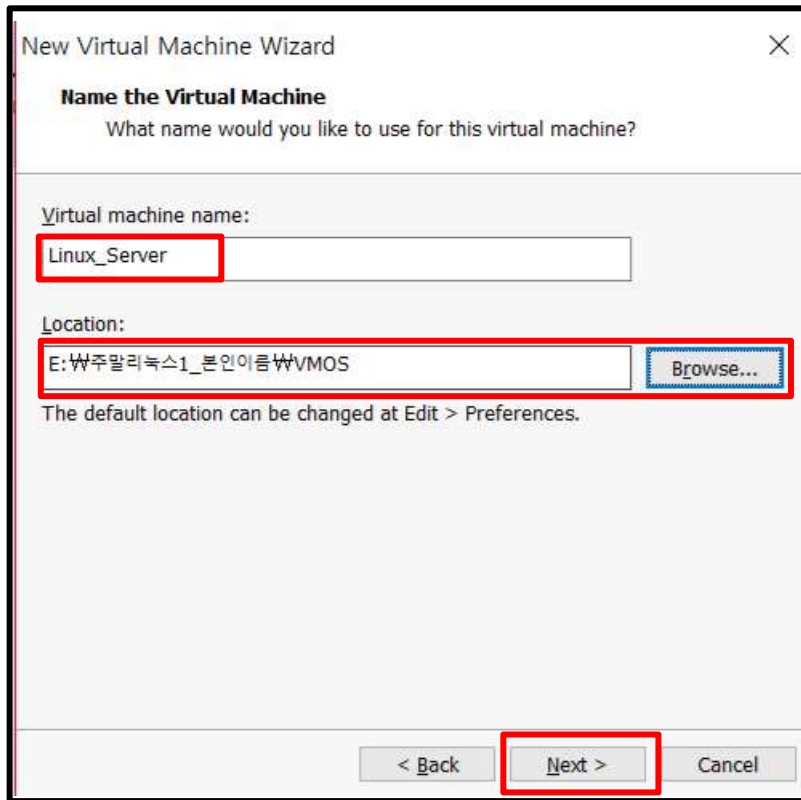
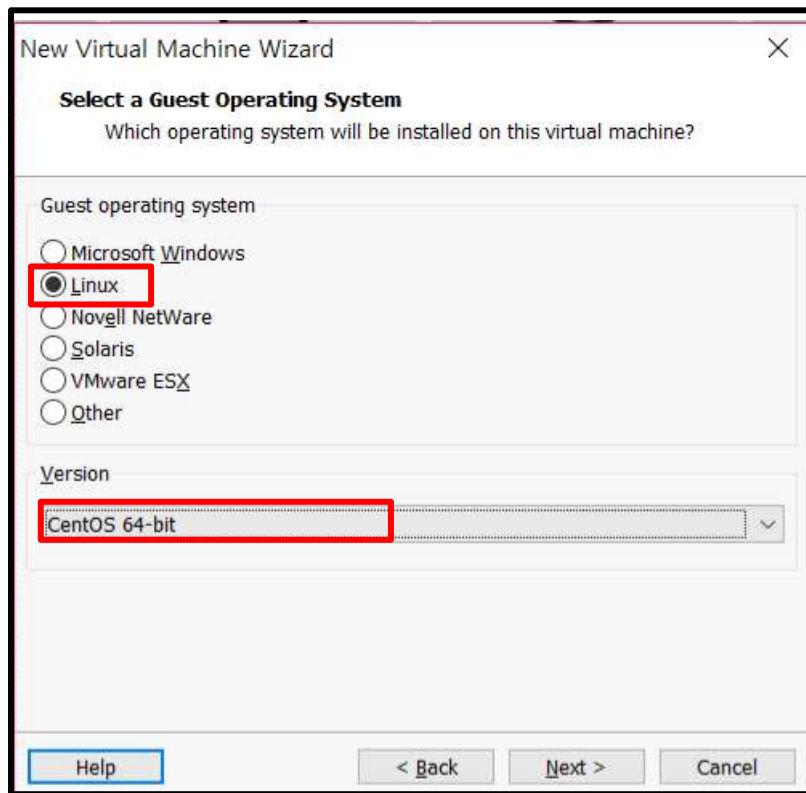
Next



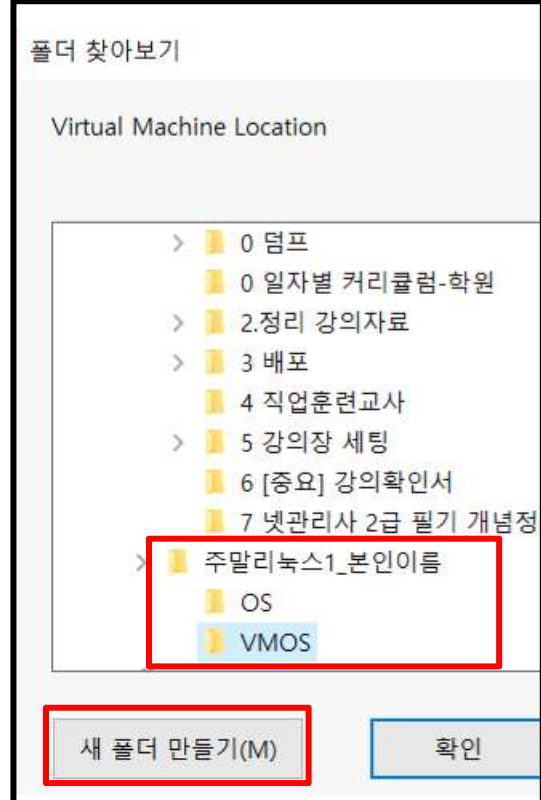
### 3. 가상머신 생성

#### ▶ 가상머신 생성 마법사 진행

Linux 체크, Version->CentOS 64-bit 지정



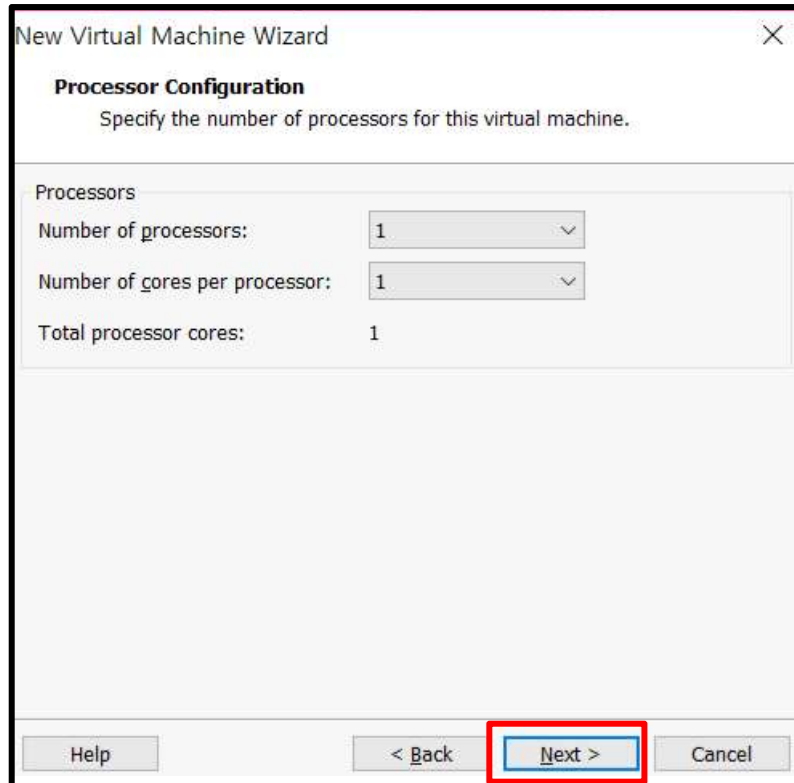
E:\주말리눅스1\_본인이름\VMOS



### 3. 가상머신 생성

#### ▶ 가상머신 생성 마법사 진행

Next



The screenshot shows a 'New Virtual Machine Wizard' dialog box with a close button (X) in the top right corner. The title bar reads 'New Virtual Machine Wizard'. The main heading is 'Processor Configuration', followed by the instruction 'Specify the number of processors for this virtual machine.' Below this, there is a section titled 'Processors' containing three rows of configuration options: 'Number of processors:' with a dropdown menu set to '1', 'Number of cores per processor:' with a dropdown menu set to '1', and 'Total processor cores:' with the value '1' displayed. At the bottom of the dialog, there are four buttons: 'Help', '< Back', 'Next >', and 'Cancel'. The 'Next >' button is highlighted with a red rectangular border.

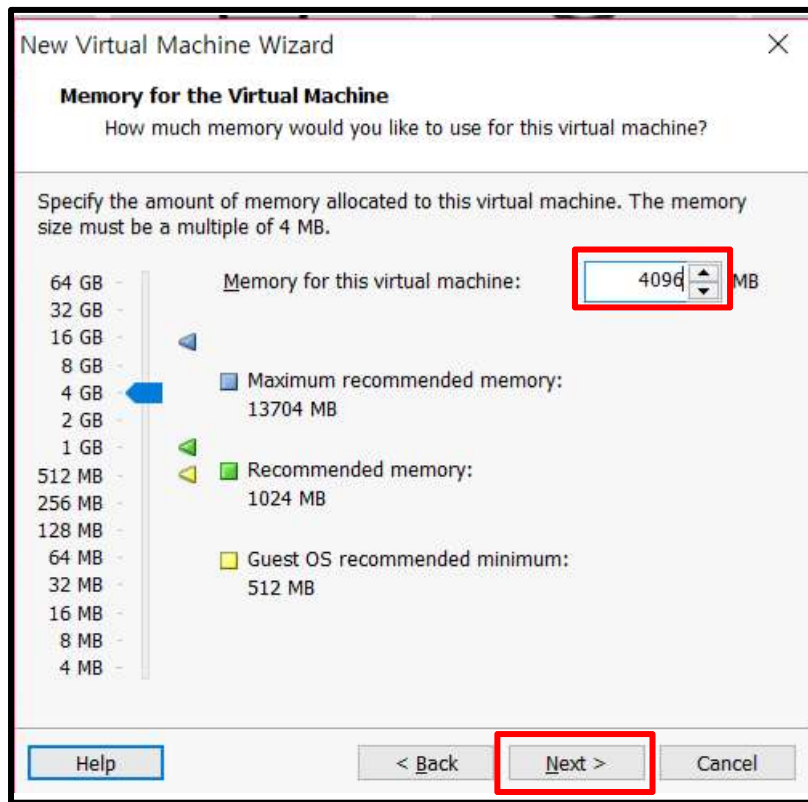
Processors	
Number of processors:	1
Number of cores per processor:	1
Total processor cores:	1

Buttons: Help, < Back, **Next >**, Cancel

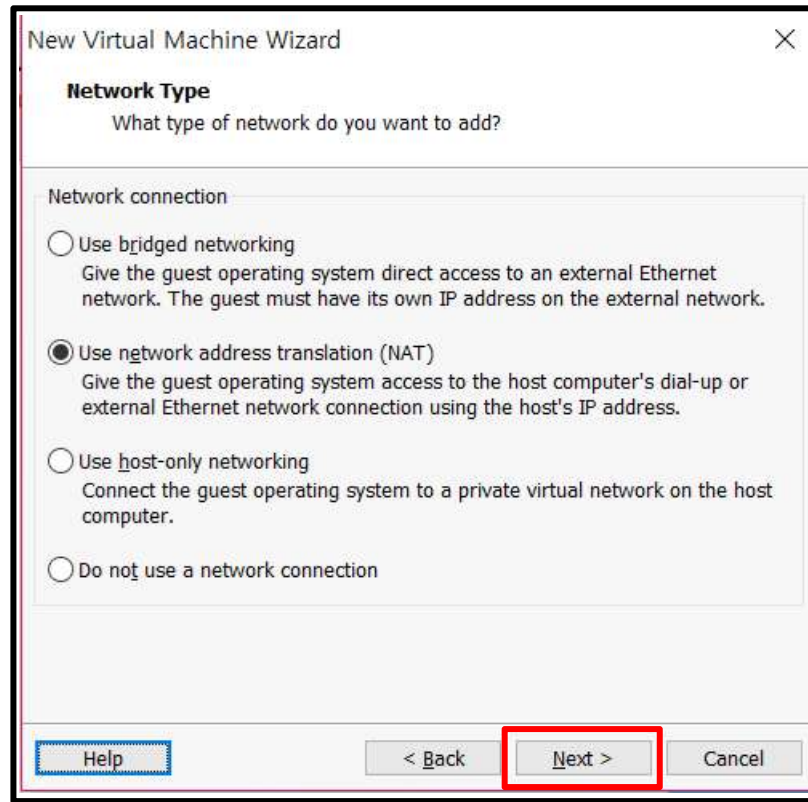
### 3. 가상머신 생성

#### ▶ 가상머신 생성 마법사 진행

4096입력 후 Next



NAT 선택후 Next



### 3. 가상머신 생성

#### ▶ 가상머신 생성 마법사 진행

Next

New Virtual Machine Wizard

**Select I/O Controller Types**  
Which SCSI controller type would you like to use?

I/O controller types

SCSI Controller:

- ☐ BusLogic (Not available for 64-bit guests)
- ☒ LSI Logic (Recommended)
- ☐ LSI Logic SAS

Help < Back **Next >** Cancel

Next

New Virtual Machine Wizard

**Select a Disk Type**  
What kind of disk do you want to create?

Virtual disk type

- ☐ IDE
- ☒ SCSI (Recommended)
- ☐ SATA

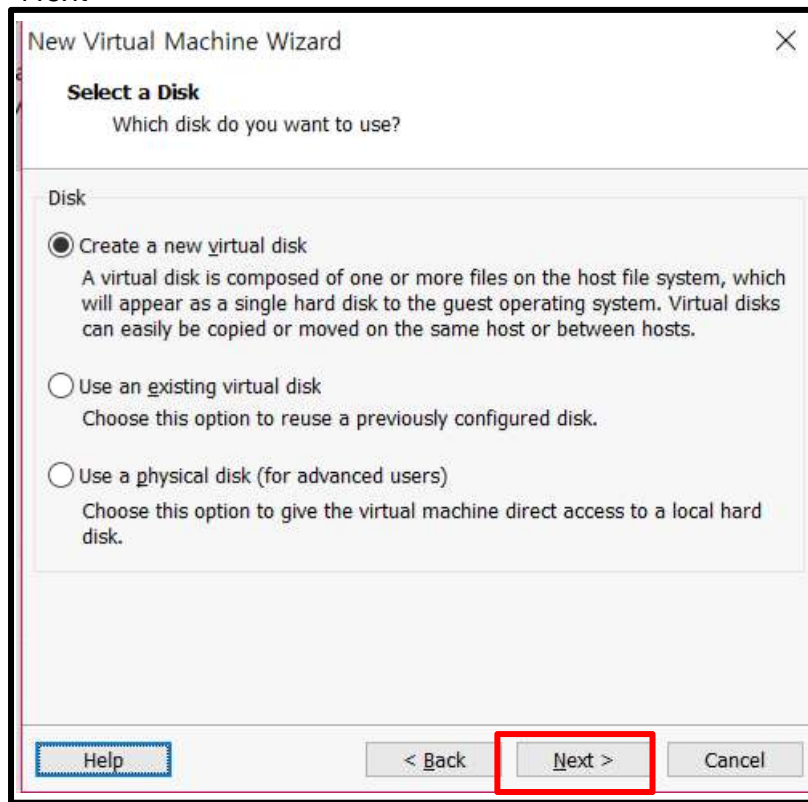
Help < Back **Next >** Cancel



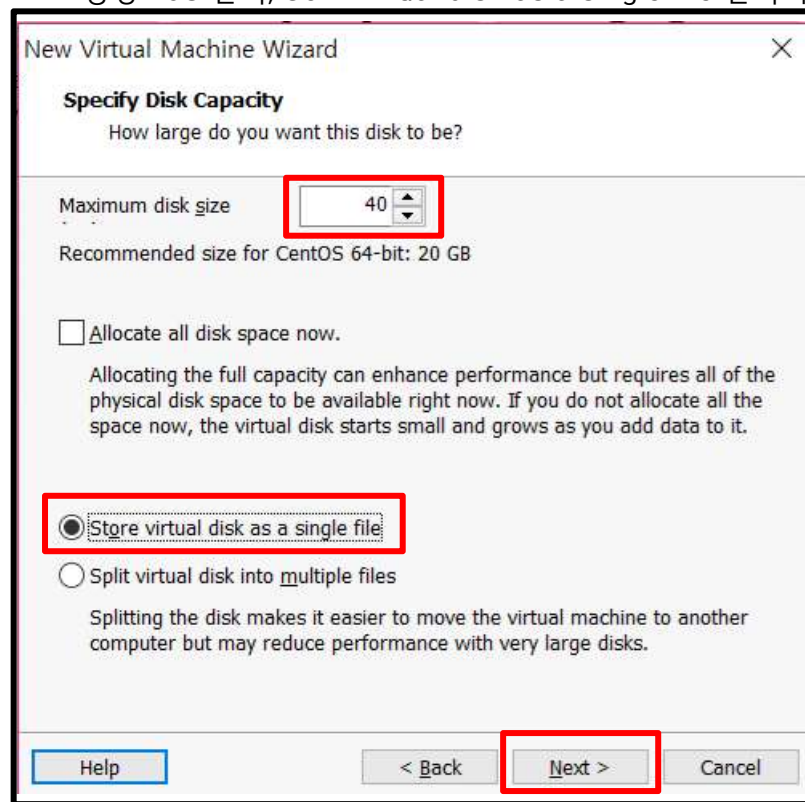
### 3. 가상머신 생성

#### ▶ 가상머신 생성 마법사 진행

Next



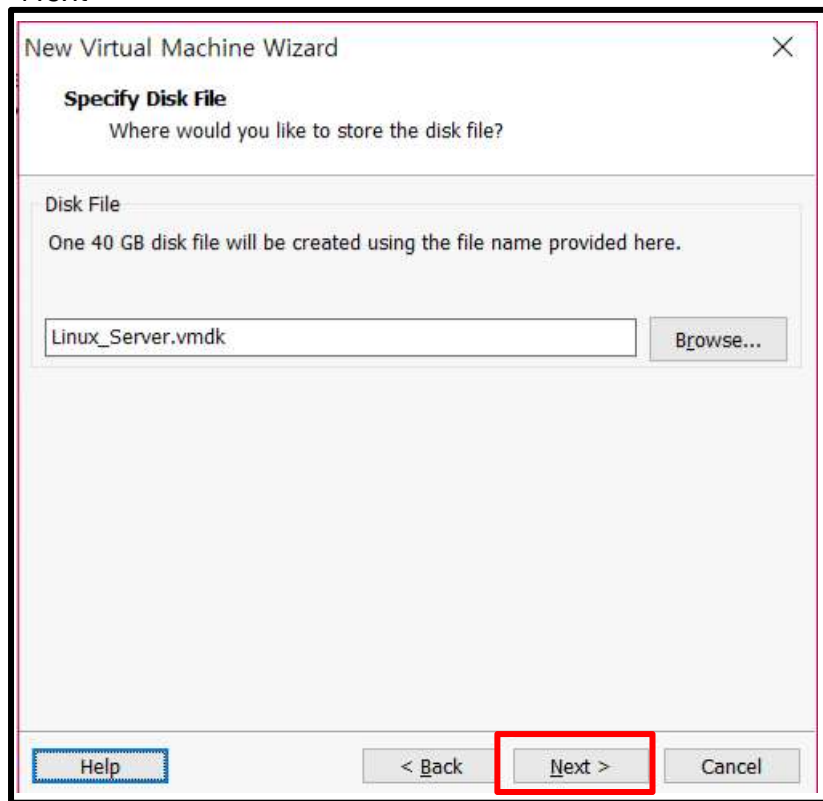
HDD 용량 40G 선택, Sort virtual disk as a single file 선택 후 Next



### 3. 가상머신 생성

#### ▶ 가상머신 생성 마법사 진행

Next



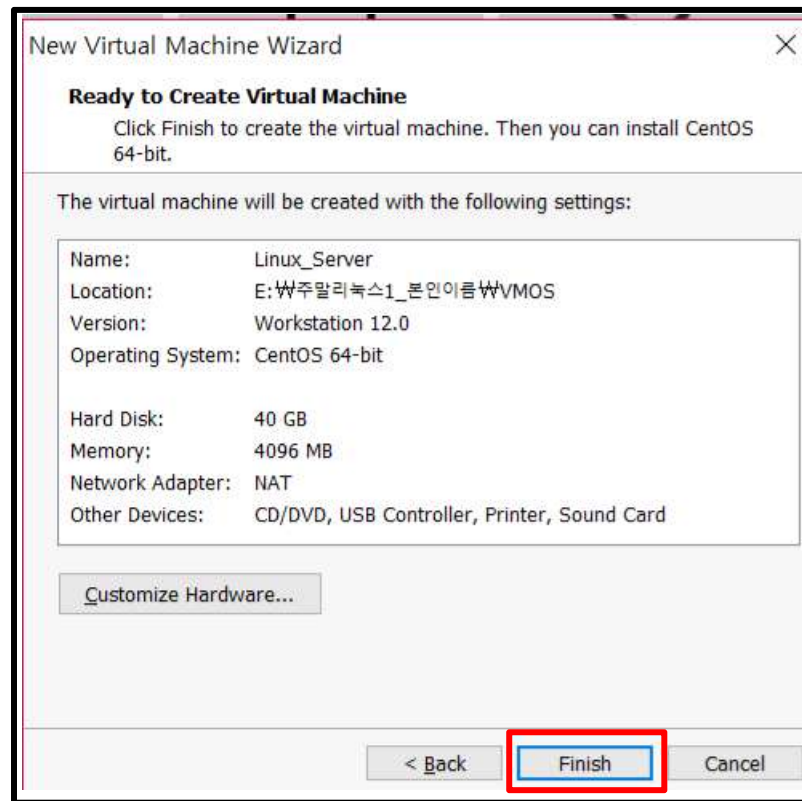
New Virtual Machine Wizard

**Specify Disk File**  
Where would you like to store the disk file?

Disk File  
One 40 GB disk file will be created using the file name provided here.

Linux\_Server.vmdk

Finish



New Virtual Machine Wizard

**Ready to Create Virtual Machine**  
Click Finish to create the virtual machine. Then you can install CentOS 64-bit.

The virtual machine will be created with the following settings:

Name:	Linux_Server
Location:	E:\₩주말리눅스1_본인이름₩VMOS
Version:	Workstation 12.0
Operating System:	CentOS 64-bit
Hard Disk:	40 GB
Memory:	4096 MB
Network Adapter:	NAT
Other Devices:	CD/DVD, USB Controller, Printer, Sound Card

### 3. 가상머신 생성

#### ▶ 가상머신 생성 완료

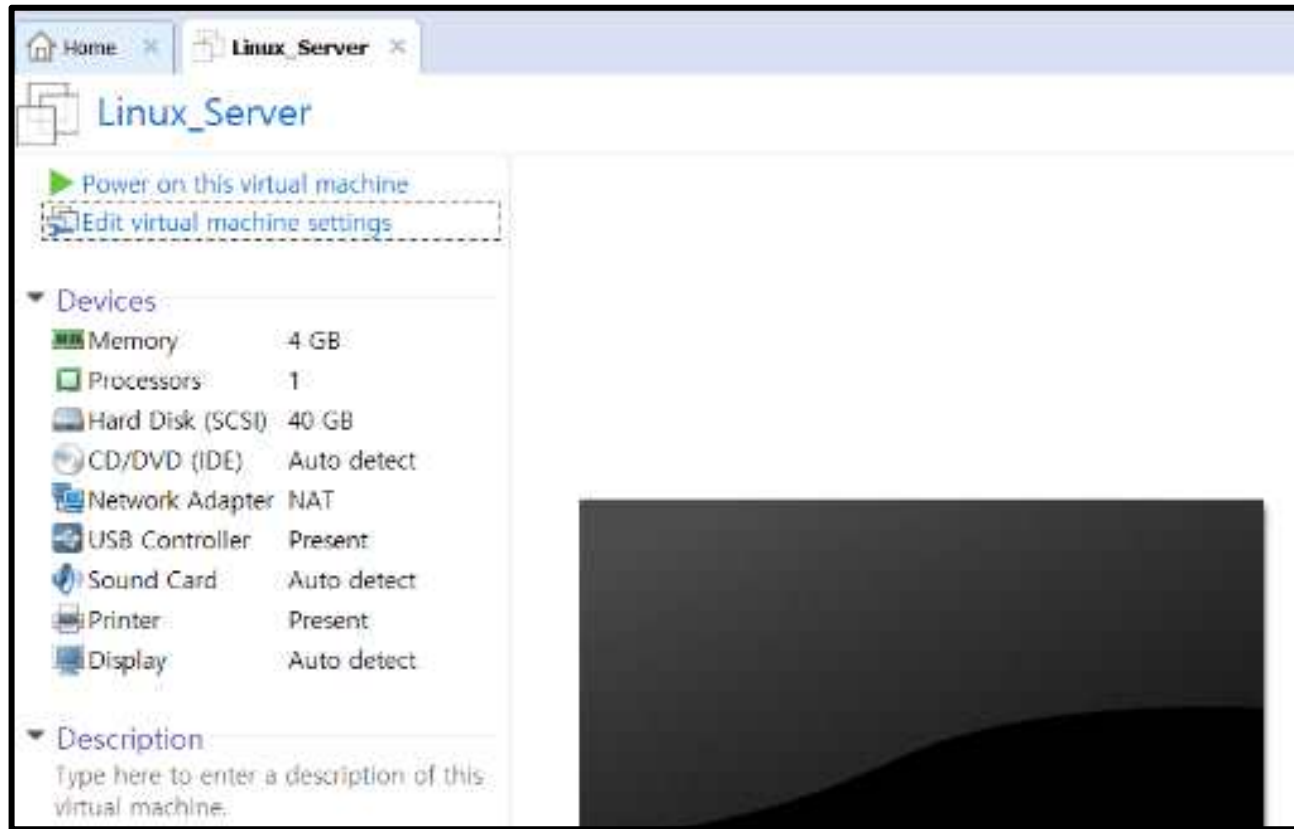


# 4.CentOS7 설치

## 4. CentOS설치

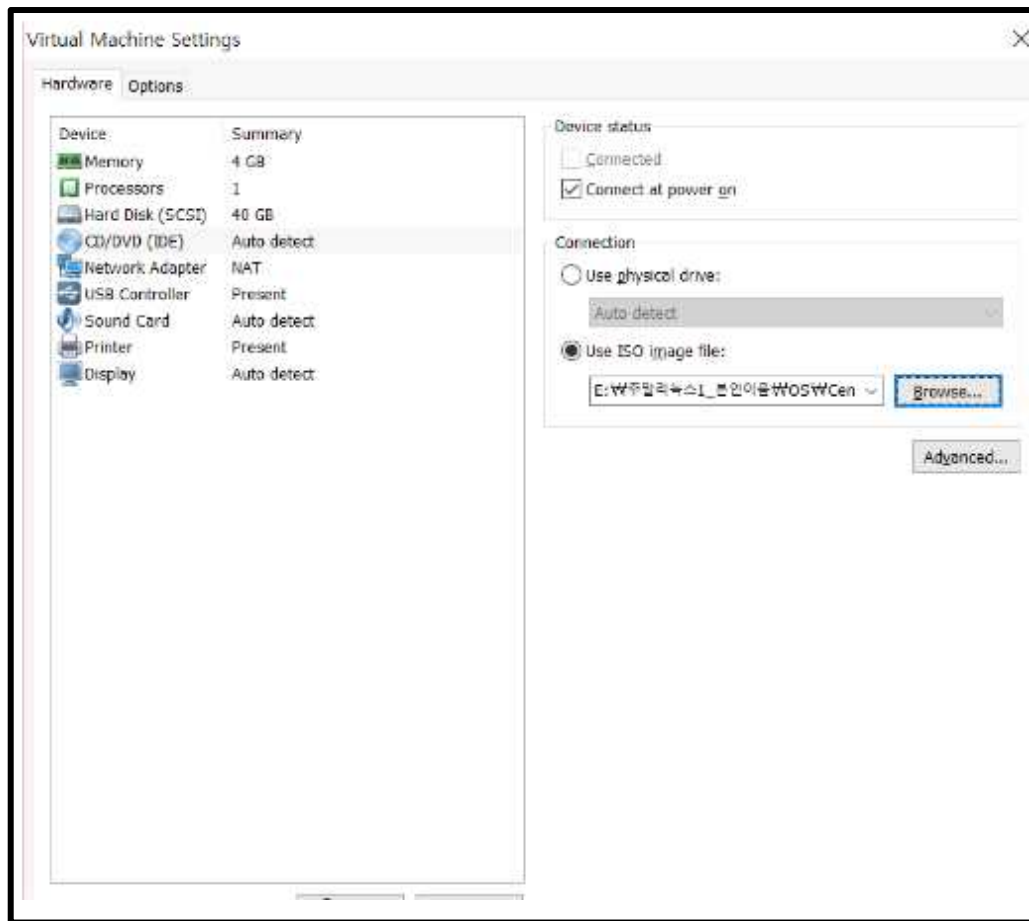
### ▶ CentOS 설치

Linux\_Server -> Edit Virtual Maching Settings 클릭



## 4. CentOS설치

### ▶ CentOS 설치



1 CD/DVD(IDE) 클릭

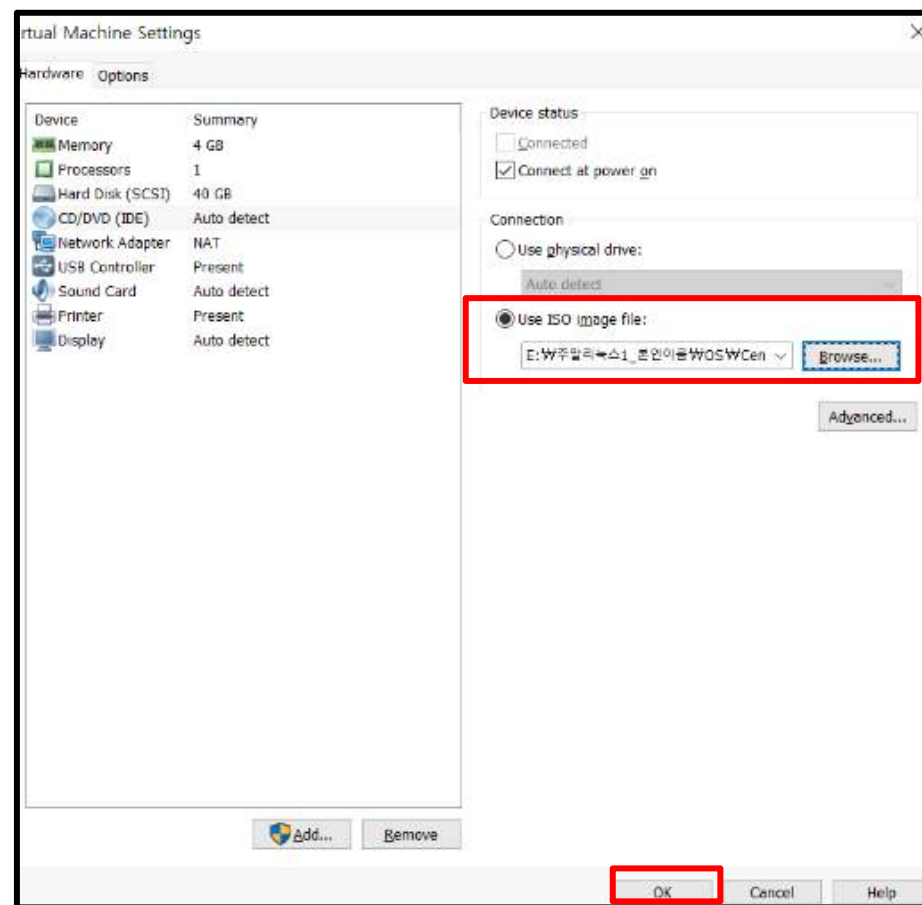
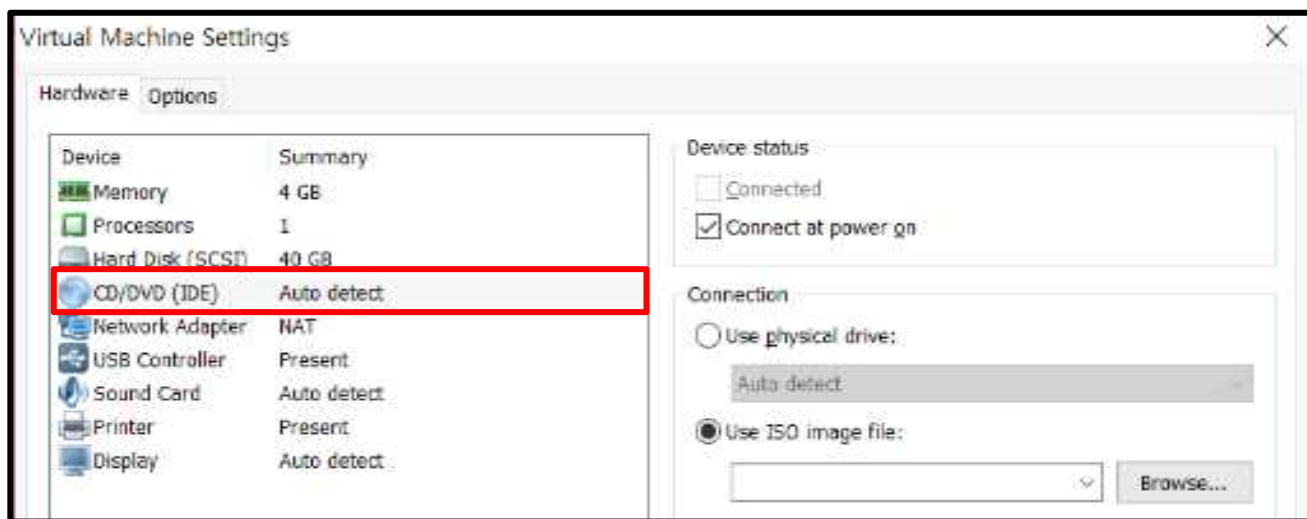
2. Use ISO image file 체크

3. Browse 클릭

4. E:\주말리눅스1\_본인이름\OS 의 Centos.iso 선택, 확인

## 4. CentOS설치

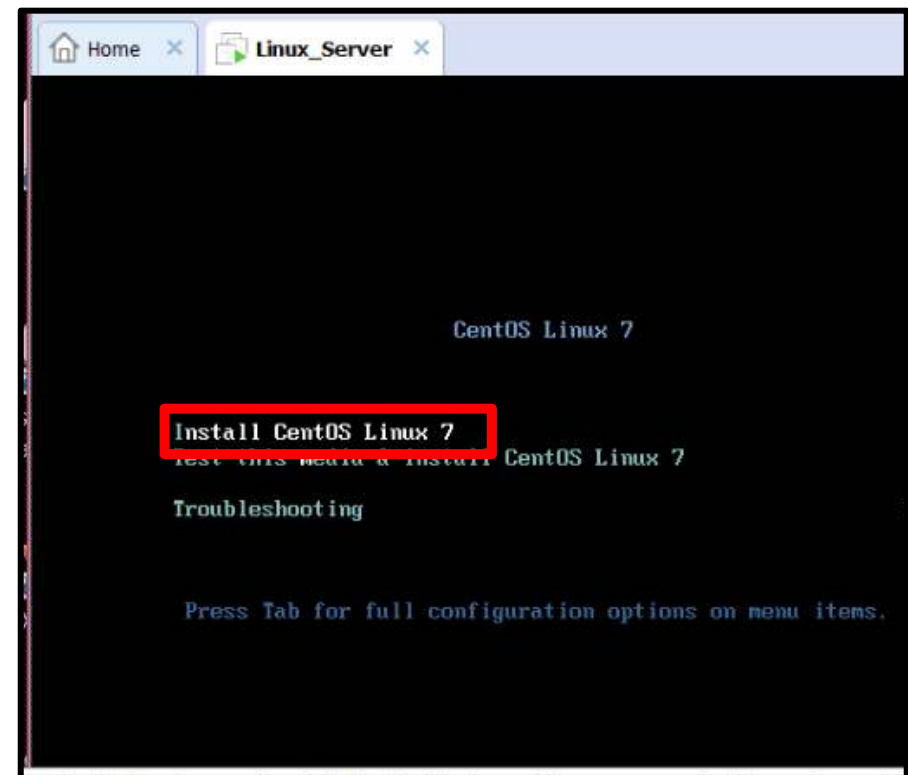
### ▶ CentOS 설치



## 4. CentOS설치

### ▶ CentOS 설치

Linux\_Server ->Power on This Virtual machine

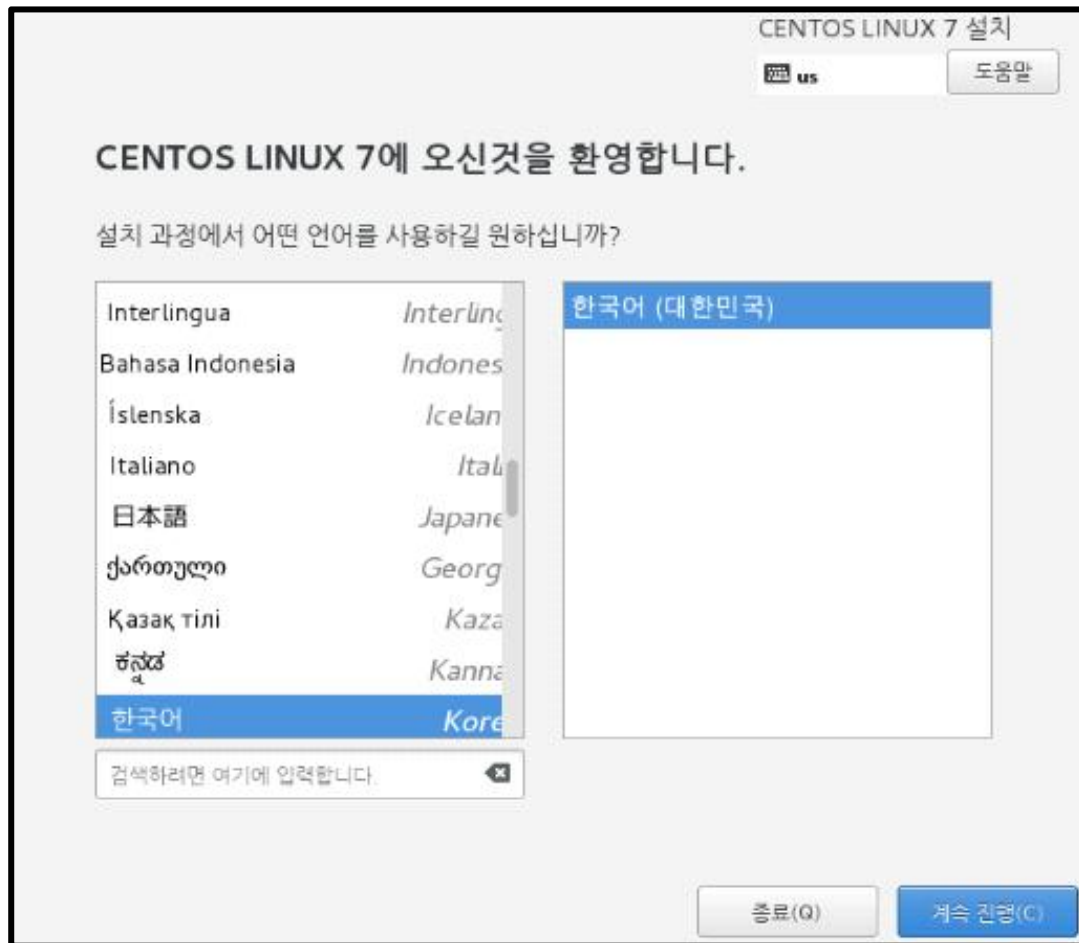




## 4. CentOS설치

### ▶ CentOS 설치

한국어 클릭 -> 다음



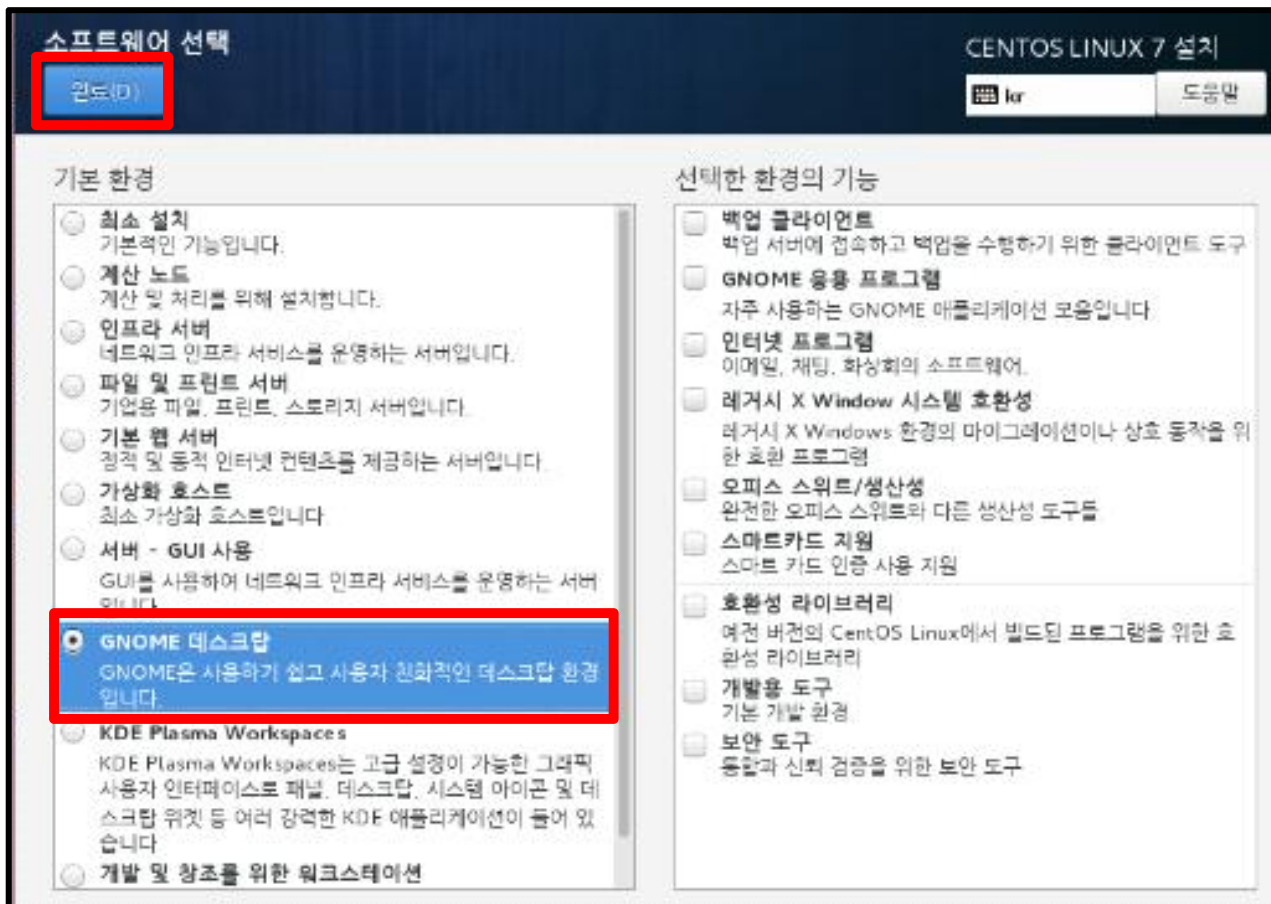
소프트웨어 선택 클릭



## 4. CentOS설치

### ▶ CentOS 설치

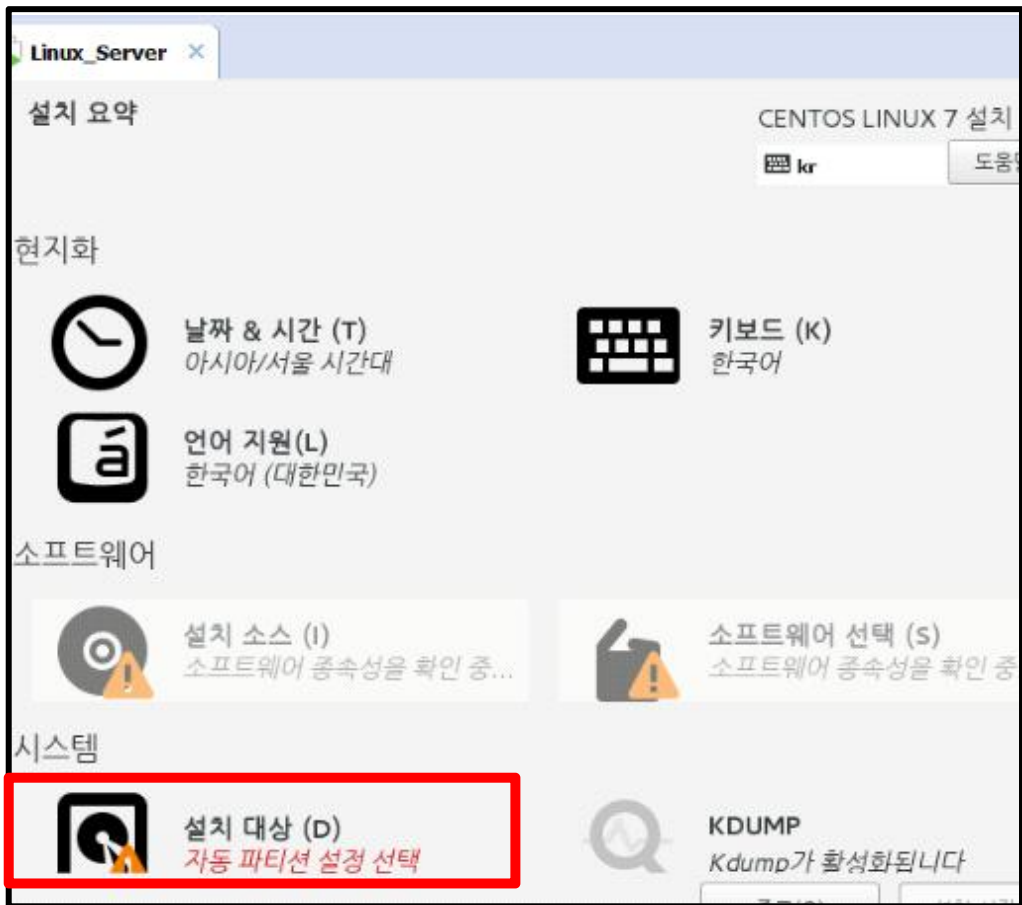
GNOME 데스크탑 체크 -> 완료



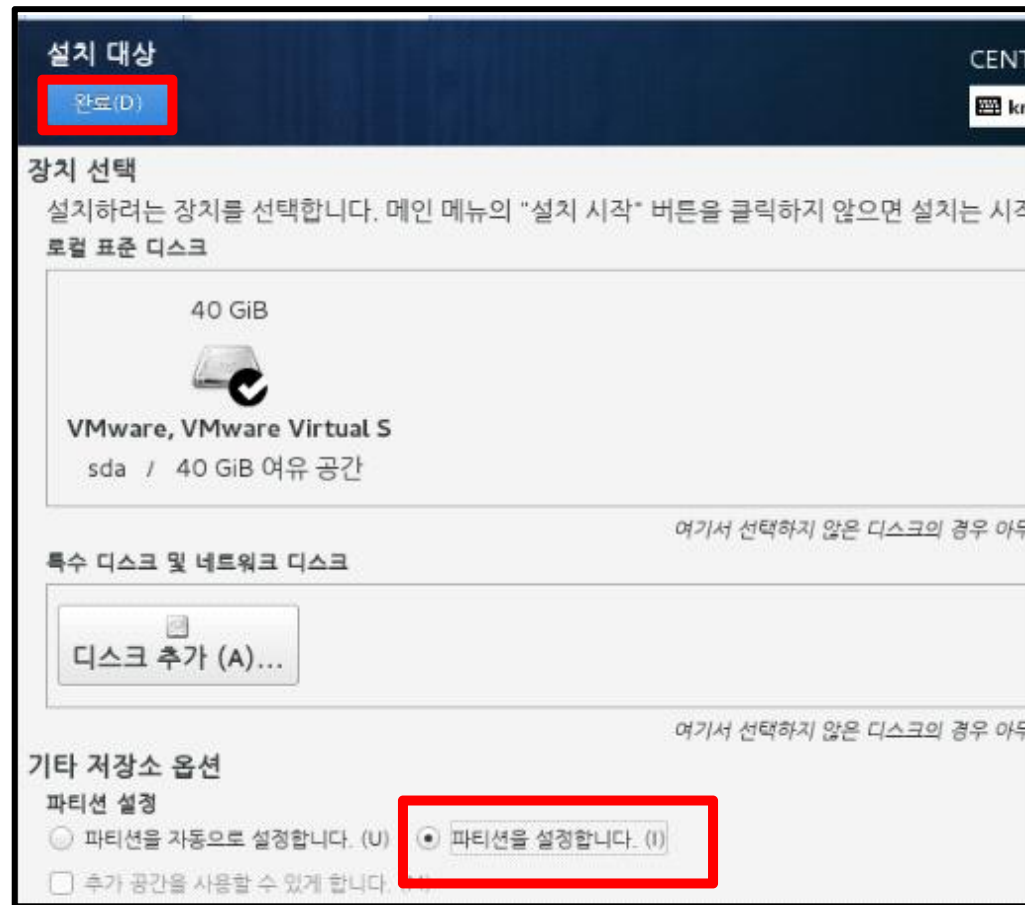
## 4. CentOS설치

### ▶ CentOS 설치

설치 대상 클릭



파티션을 설정합니다 체크 -> 완료



## 4. CentOS설치

### ▶ CentOS 설치



1. LVM -> 표준파티션 선택
2. 하단의 '+' 클릭

## 4. CentOS설치

### ▶ CentOS 설치

/boot - 200M

새 마운트 지점 추가

아래에 마운트 지점을 생성한 후 보다 많은 사용자 정의 옵션을 사용할 수 있습니다.

마운트 지점(P):

용량(D):

/var- 2048M

새 마운트 지점 추가

아래에 마운트 지점을 생성한 후 보다 많은 사용자 정의 옵션을 사용할 수 있습니다.

마운트 지점(P):

용량(D):

/usr - 12000M

새 마운트 지점 추가

아래에 마운트 지점을 생성한 후 보다 많은 사용자 정의 옵션을 사용할 수 있습니다.

마운트 지점(P):

용량(D):

/home - 200M

새 마운트 지점 추가

아래에 마운트 지점을 생성한 후 보다 많은 사용자 정의 옵션을 사용할 수 있습니다.

마운트 지점(P):

용량(D):

swap - 2048M

새 마운트 지점 추가

아래에 마운트 지점을 생성한 후 보다 많은 사용자 정의 옵션을 사용할 수 있습니다.

마운트 지점(P):

용량(D):

/ - 23.89G

새 마운트 지점 추가

아래에 마운트 지점을 생성한 후 보다 많은 사용자 정의 옵션을 사용할 수 있습니다.

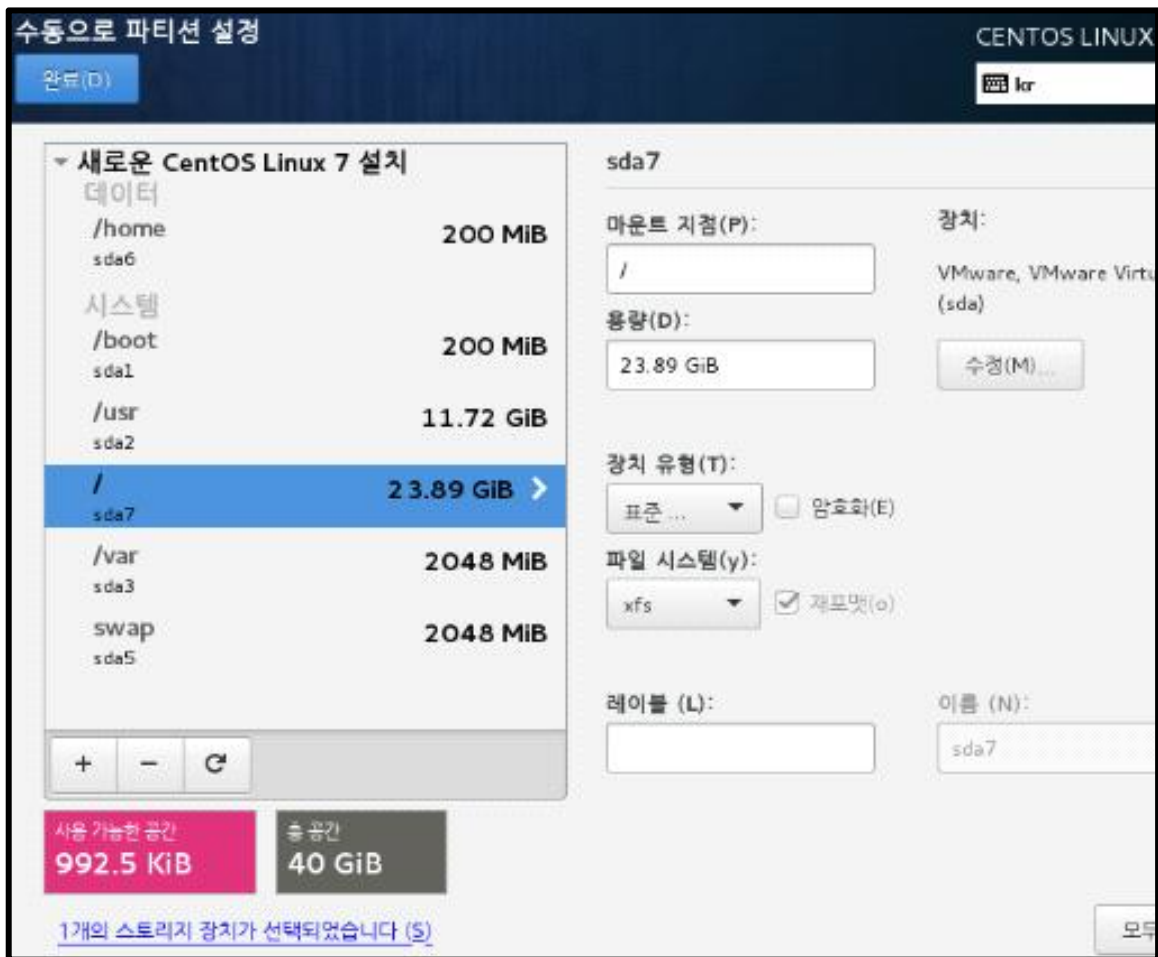
마운트 지점(P):

용량(D):

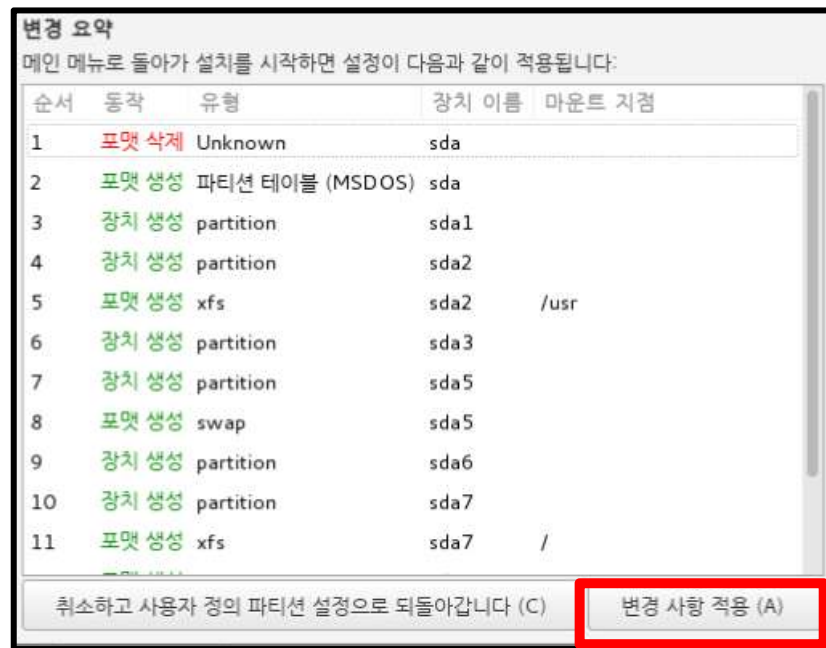
## 4. CentOS설치

### ▶ CentOS 설치

파티셔닝 확인



변경 사항 적용





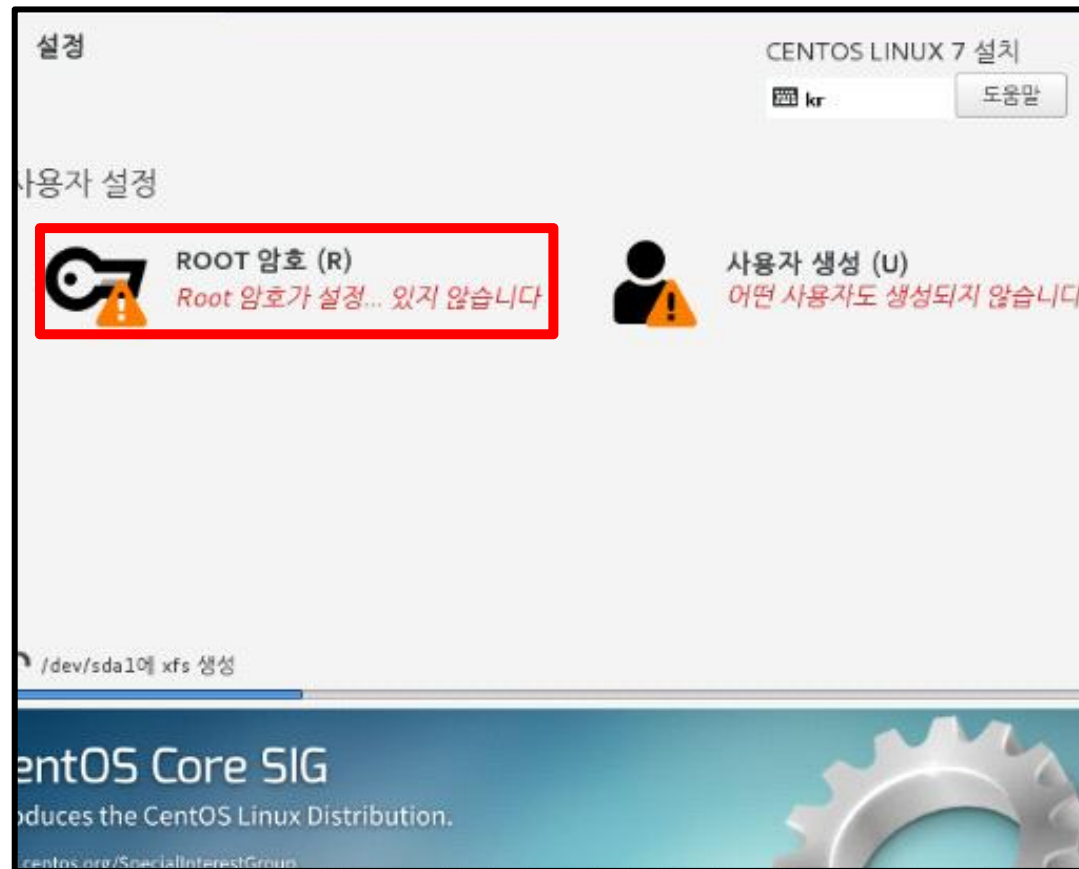
## 4. CentOS설치

### ▶ CentOS 설치

설치 시작



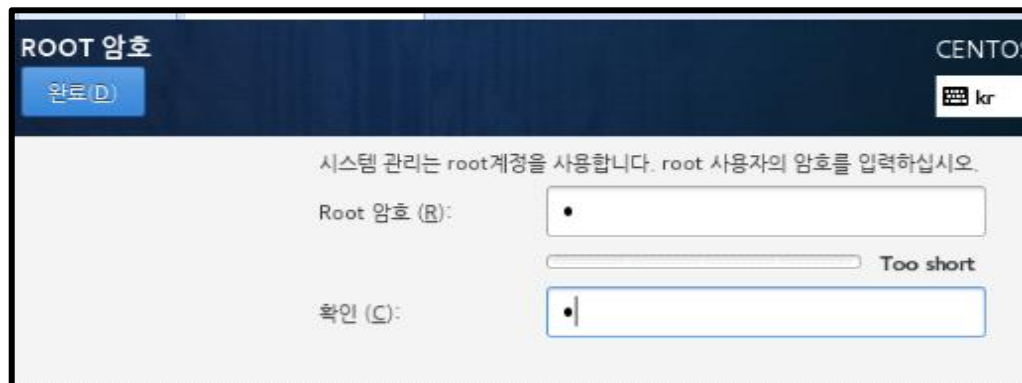
ROOT 암호 클릭



## 4. CentOS설치

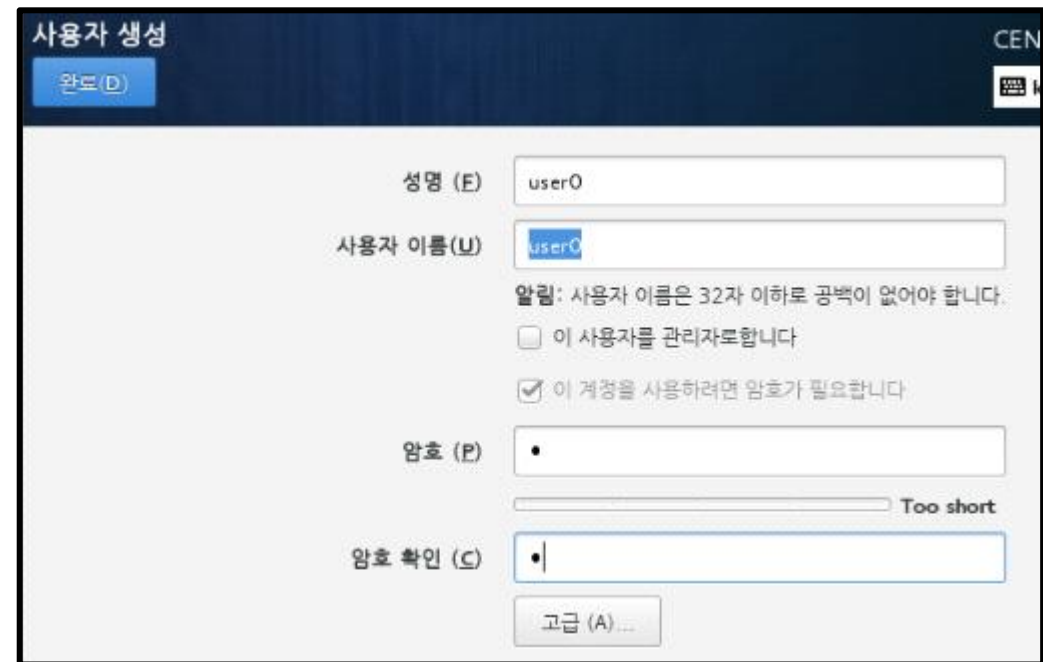
### ▶ CentOS 설치

root 암호지정 : 1



The screenshot shows the 'ROOT 암호' (Root Password) window in the CentOS installer. The title bar includes 'ROOT 암호' and 'CENTOS'. A blue button labeled '완료(D)' (Done) is in the top left. The main text says '시스템 관리는 root계정을 사용합니다. root 사용자의 암호를 입력하십시오.' (System management uses the root account. Enter the password for the root user.). There are two input fields: 'Root 암호 (R):' and '확인 (C):' (Confirmation). The first field contains a single dot, and the second field contains a dot followed by a vertical bar. A 'Too short' error message is visible below the first field. A keyboard icon and 'kr' are in the top right corner.

user0 암호지정 : 1



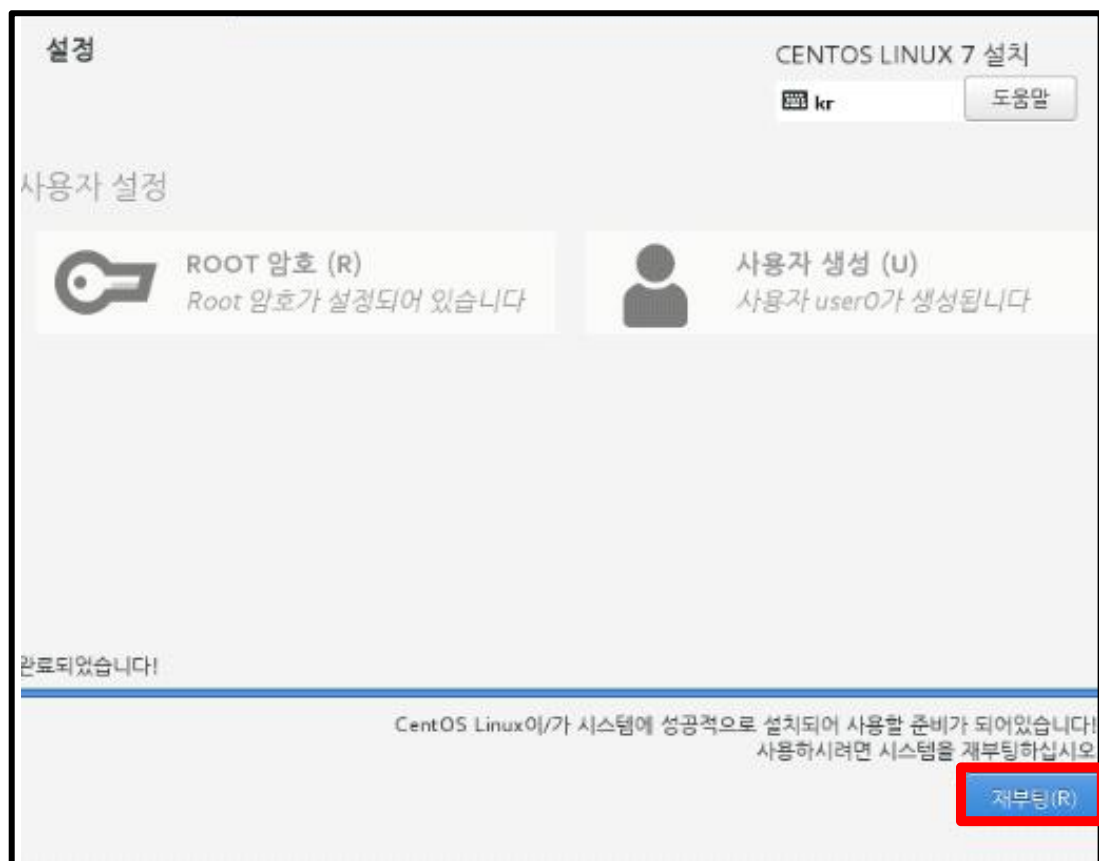
The screenshot shows the '사용자 생성' (Create User) window in the CentOS installer. The title bar includes '사용자 생성' and 'CEN'. A blue button labeled '완료(D)' (Done) is in the top left. The form contains several fields: '성명 (E)' (Full Name) with 'user0', '사용자 이름(U)' (Username) with 'user0', '암호 (P)' (Password) with a single dot, and '암호 확인 (C)' (Confirm Password) with a dot and a vertical bar. The '사용자 이름(U)' field has a blue highlight. Below the username field, there is a warning message: '알림: 사용자 이름은 32자 이하로 공백이 없어야 합니다.' (Warning: Username must be 32 characters or less and contain no spaces.). There are two checkboxes: '이 사용자를 관리자로합니다' (Make this user a administrator) which is unchecked, and '이 계정을 사용하려면 암호가 필요합니다' (Require password for this account) which is checked. A 'Too short' error message is visible below the password field. A '고급(A)...' (Advanced...) button is at the bottom right. A keyboard icon and 'kr' are in the top right corner.



## 4. CentOS설치

### ▶ CentOS 설치

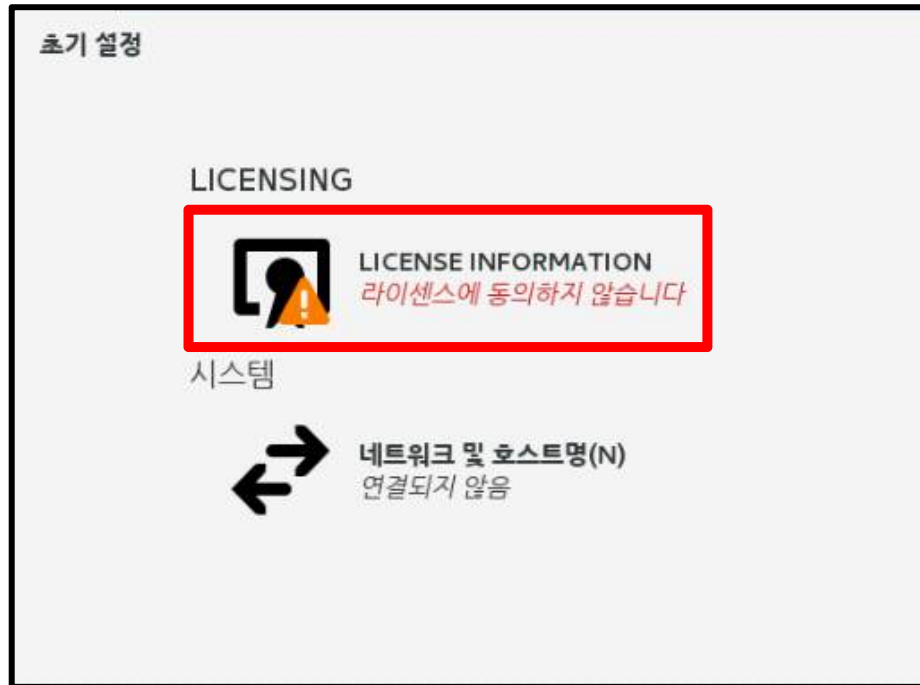
재부팅 클릭



## 4. CentOS설치

### ▶ CentOS 설치

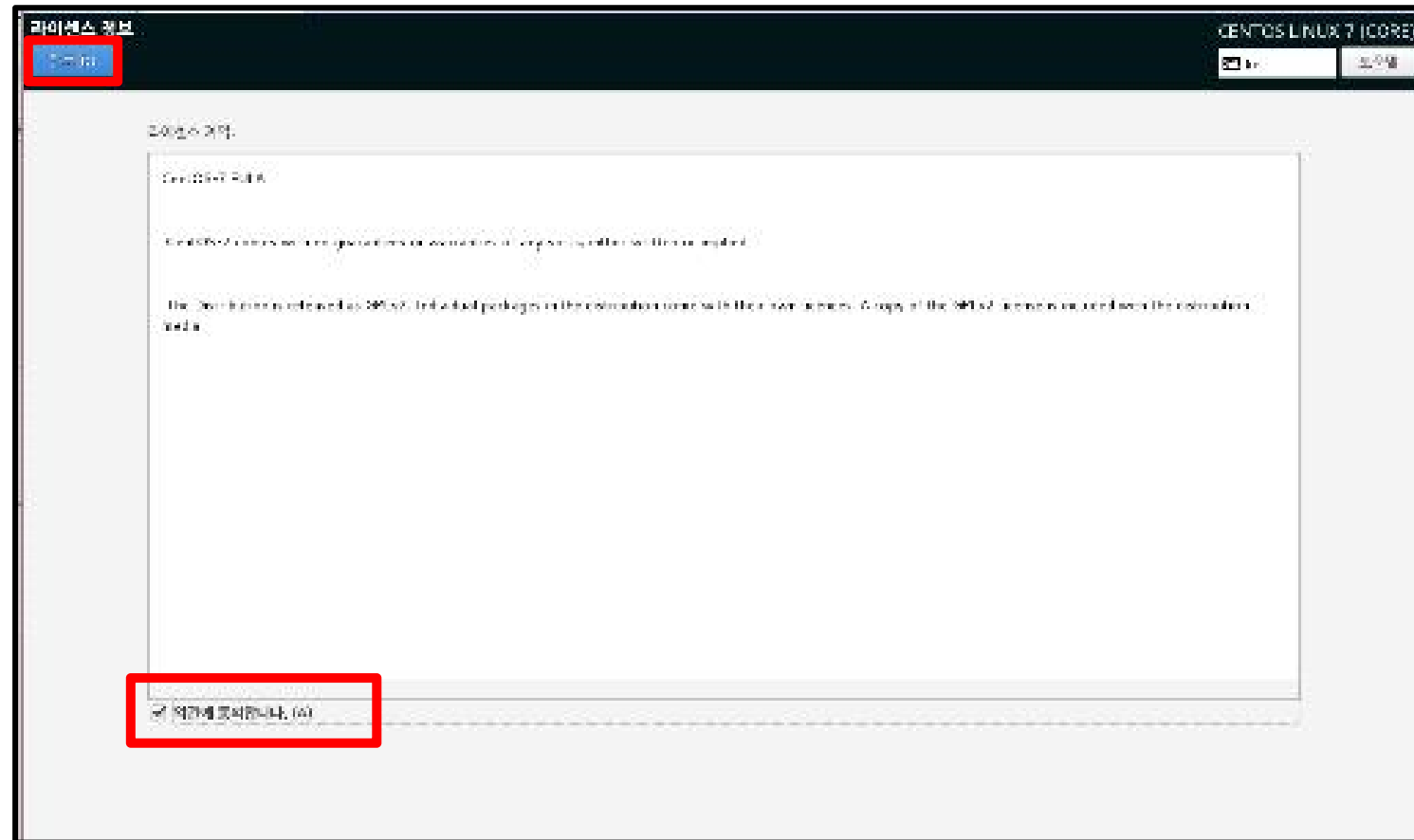
LICENSE INFORMATION 클릭



## 4. CentOS설치

### ▶ CentOS 설치

약관에 동의합니다 체크 후 완료



## 4. CentOS설치

## ▶ CentOS 설치

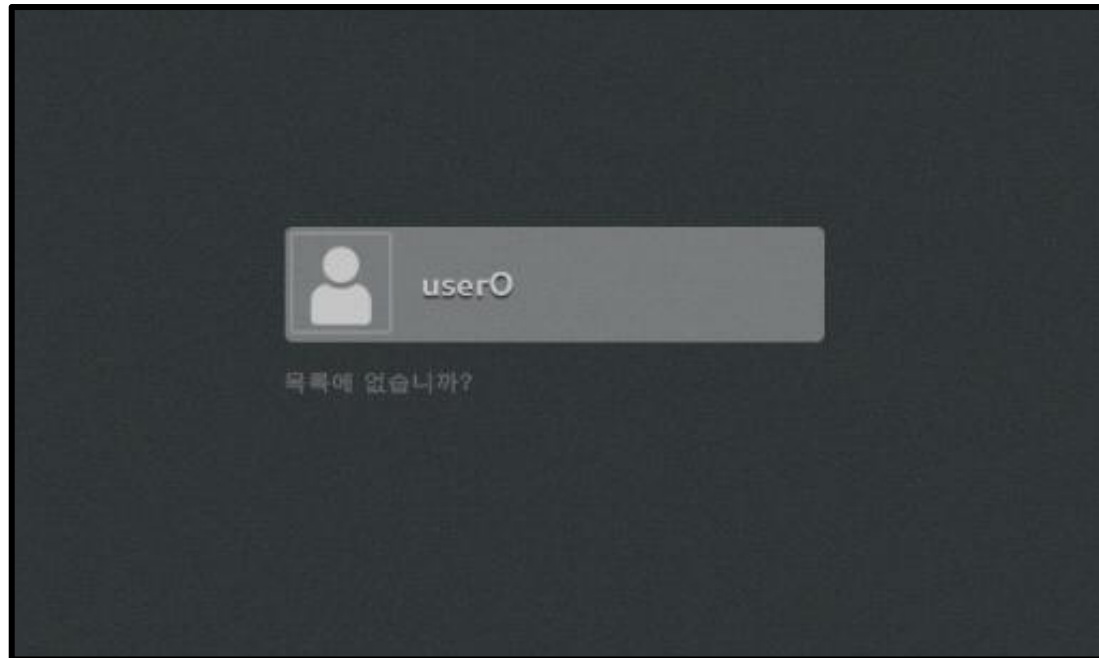
설정 완료 클릭



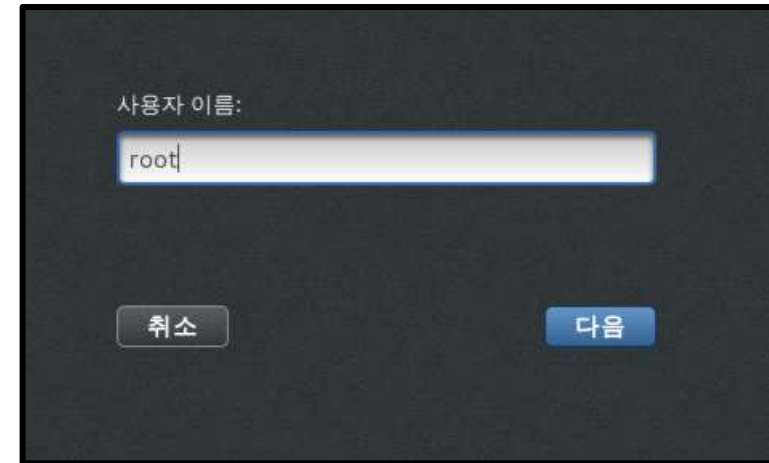
## 4. CentOS설치

### ▶ CentOS 설치

목록에 없습니까? 클릭



root 입력 다음



1 입력 로그인



## 4. CentOS설치

### ▶ CentOS 설치



## 4. CentOS설치

### ▶ CentOS 설치



## 4. CentOS설치

### ▶ CentOS 설치

0.설치 -> 2.Vmware 설치 ->vmware23 디렉토리

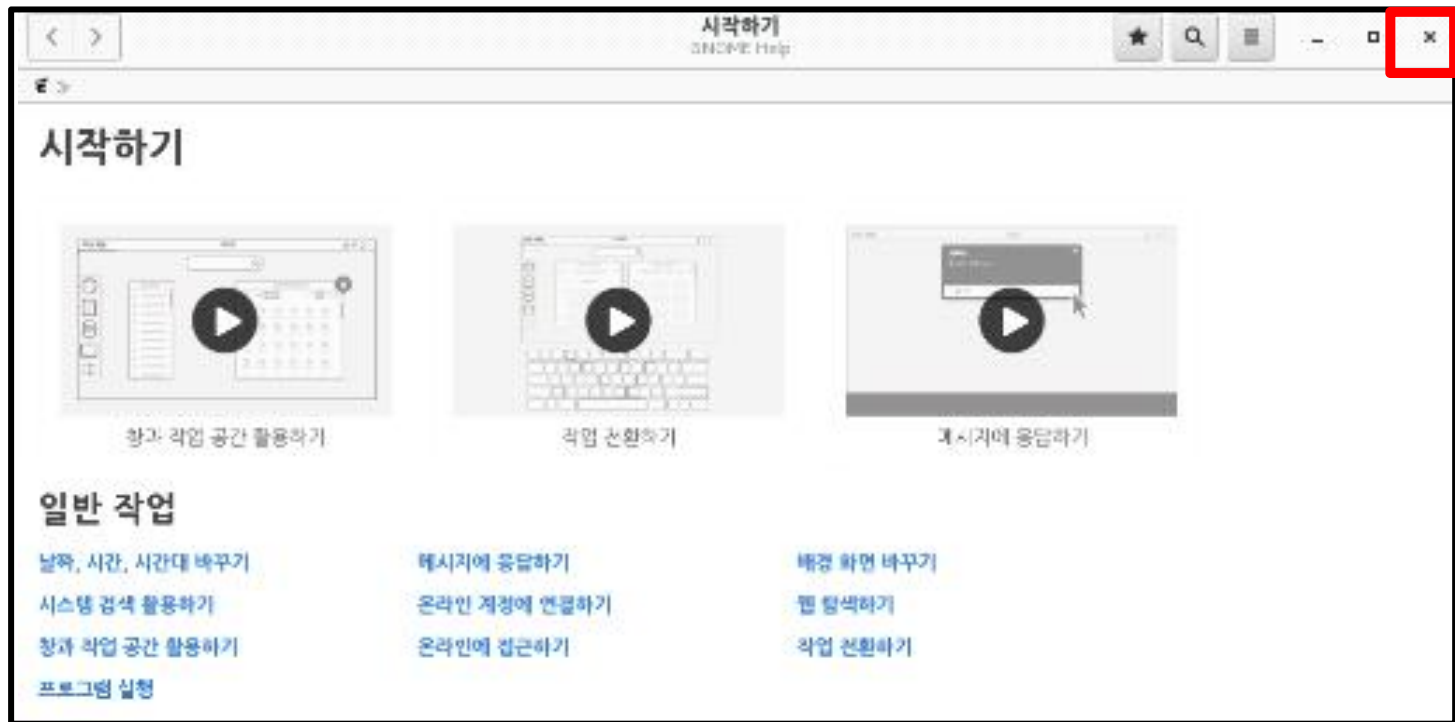
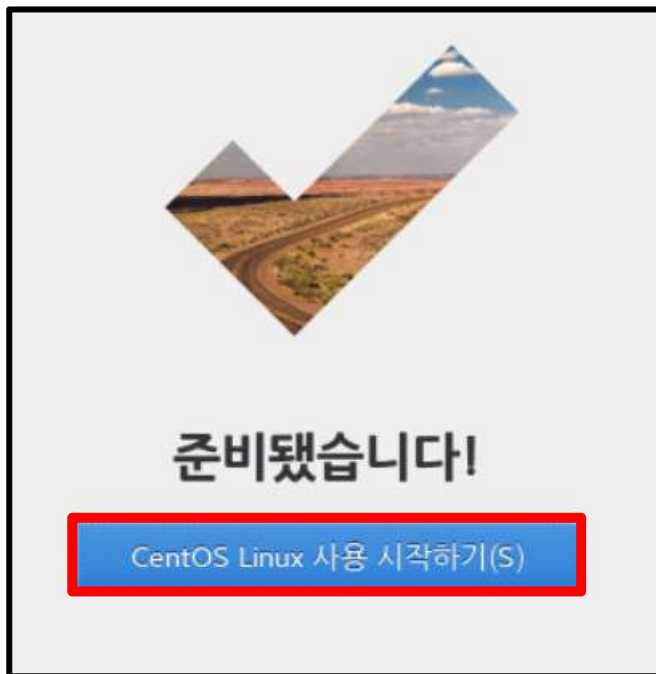




## 4. CentOS설치

### ▶ CentOS 설치

0.설치 -> 2.Vmware 설치 ->vmware23 디렉토리

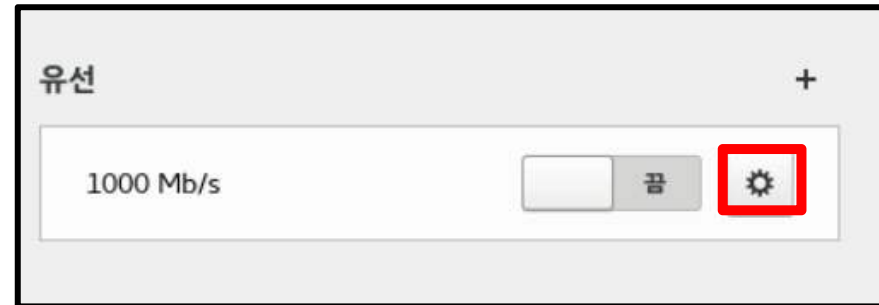
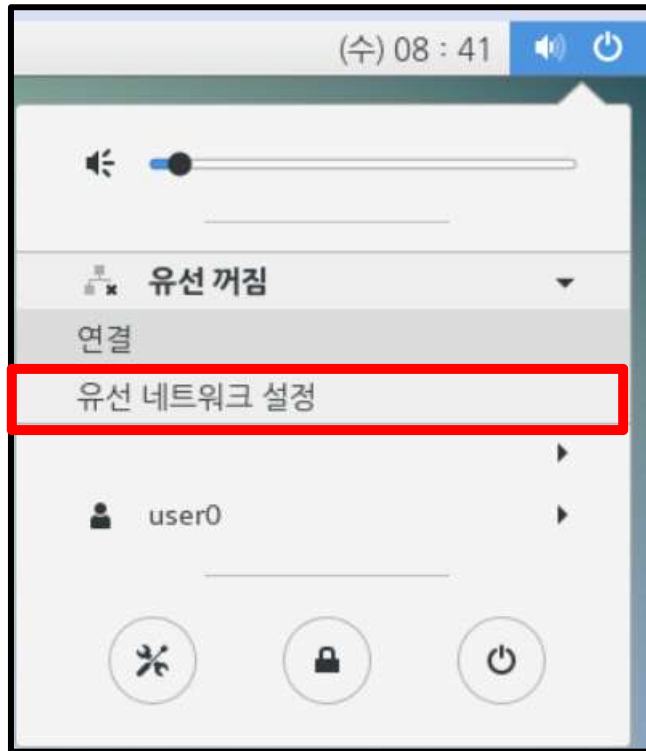


# 5.고정 IP 설정

## 5. 고정IP설정

### ▶ CentOS 설치

오른쪽 상단 전원 버튼 클릭 -> 유선꺼짐 -> 유선네트워크 설정



## 5. 고정IP설정

### ▶ CentOS 설치

자세히 보기 -> 자동으로 연결 체크

취소(C)

유선

적용(A)

자세히 보기

신원

IPv4

IPv6

보안

하드웨어 주소 00:0C:29:19:37:BC

최근 사용 안 함

☒ 자동으로 연결(A)

☒ 다른 사용자가 사용할 수 있게 허용(O)

## 5. 고정IP설정

### ▶ CentOS 설치

IPV4 탭 클릭

주소 : 192.168.1.10  
네트마스크 : 255.255.255.0  
게이트웨이 : 192.168.1.2  
네임서버 : 168.126.63.1

The image shows a network configuration window with a title bar containing '취소(C)', '유선', and '적용(A)'. Below the title bar are tabs: '자세히 보기', '신원', 'IPv4' (selected), 'IPv6', and '보안'. The main content area is for IPv4 configuration. It includes a section for 'IPv4 방식' with radio buttons for '자동(DHCP)', '수동' (selected), and '링크 로컬만'. There is also a '사용 않기' option. Below this is a '주소' section with a table for IP address, netmask, and gateway. The first row contains '192.168.1.10', '255.255.255.0', and '192.168.1.2'. There is a second empty row. Below the table is a '네임서버(DNS)' section with a dropdown set to '자동' and a text input field containing '168.126.63.1'. A note below the input field says 'IP 주소 여러 개는 쉼표로 구분합니다'. At the bottom is a '라우팅' section with a dropdown set to '자동' and a table for routing rules. The table has columns for '주소', '네트마스크', '게이트웨이', and '계속'. The first row is empty, and there is a second empty row.

주소	네트마스크	게이트웨이
192.168.1.10	255.255.255.0	192.168.1.2

네임서버(DNS) 자동

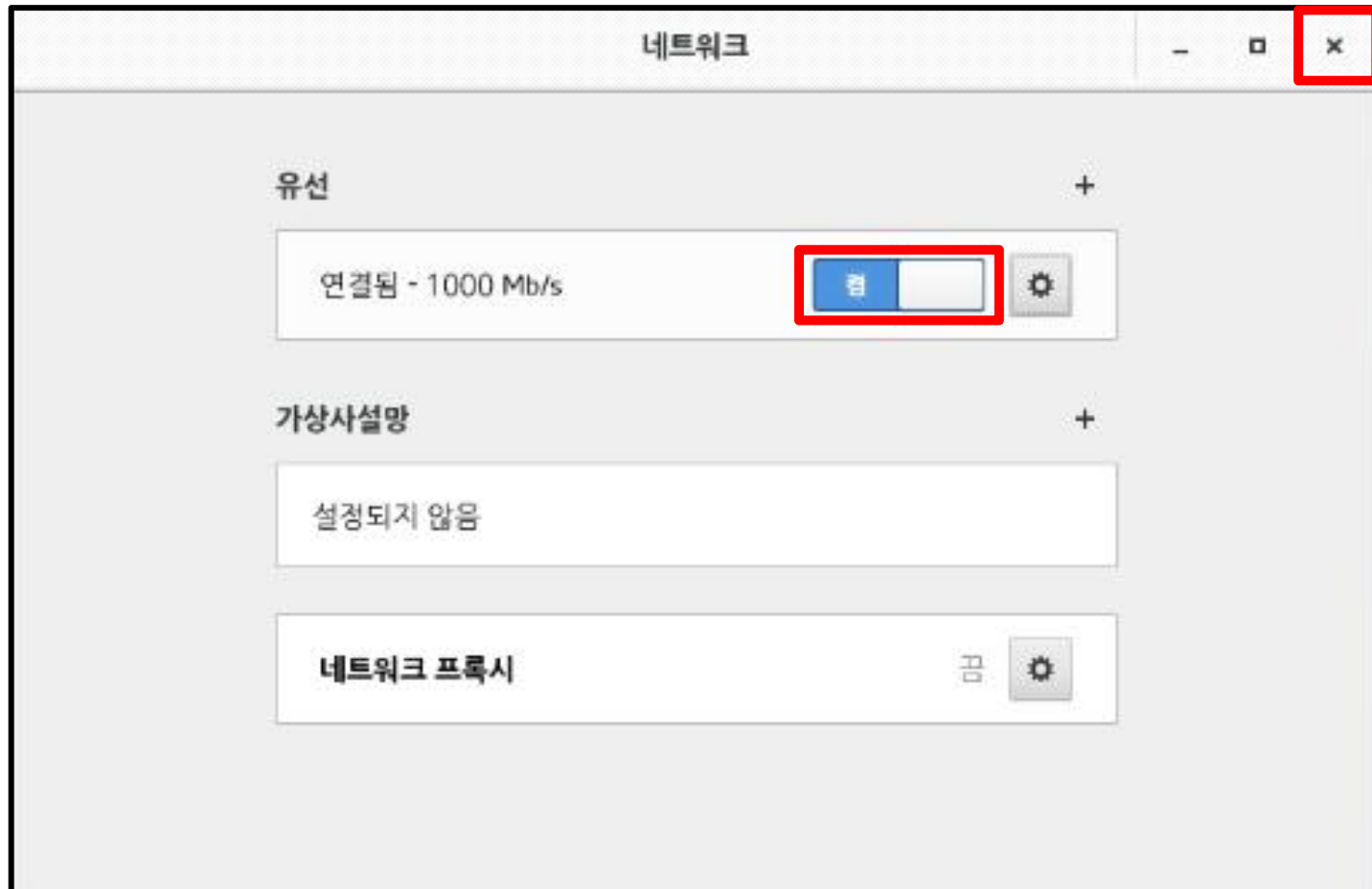
IP 주소 여러 개는 쉼표로 구분합니다

라우팅 자동

주소	네트마스크	게이트웨이	계속

## 5. 고정IP설정

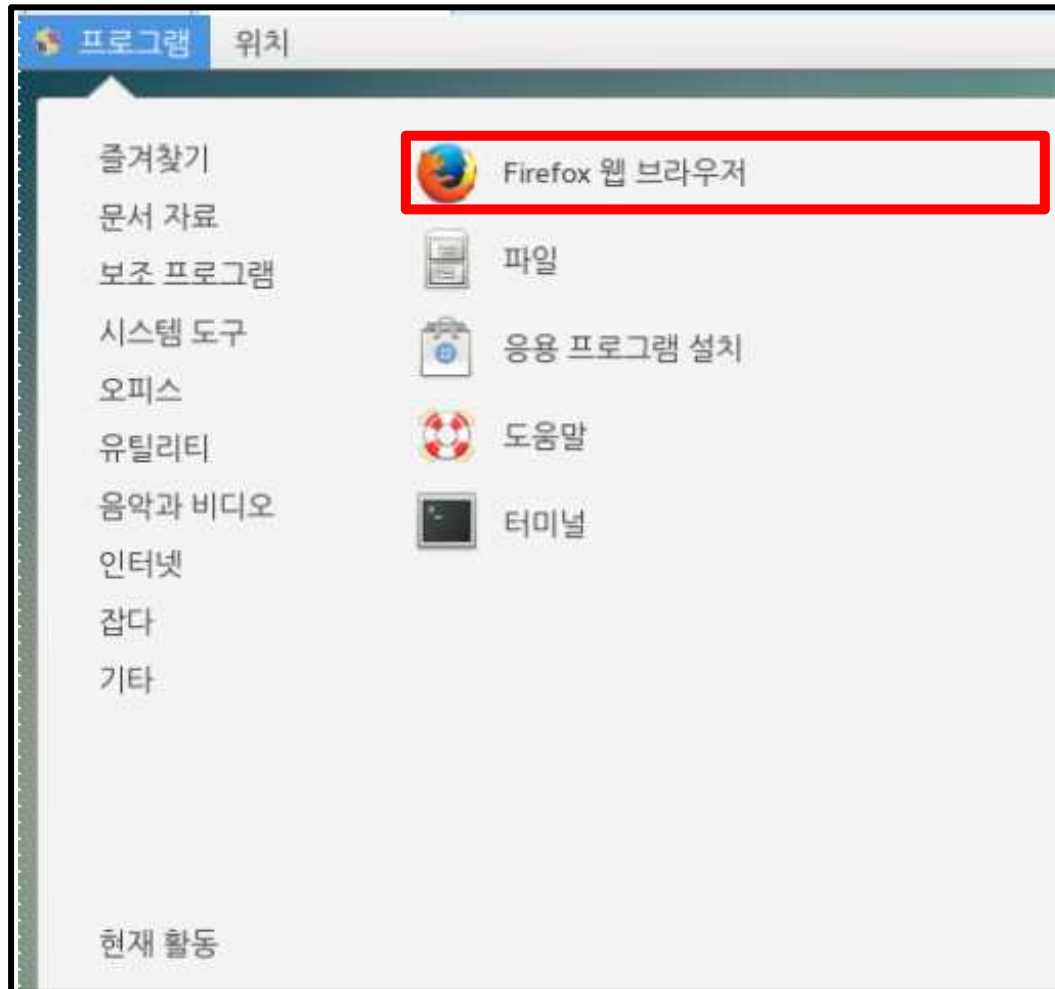
### ▶ CentOS 설치



## 5. 고정IP설정

### ▶ CentOS 설치

왼쪽 상단 프로그램 클릭 -> 즐겨찾기 -> Firefox 웹 브라우저 클릭



## 5. 고정IP설정

### ▶ CentOS 설치

공식 홈페이지 확인 -> 인터넷 연결 완료



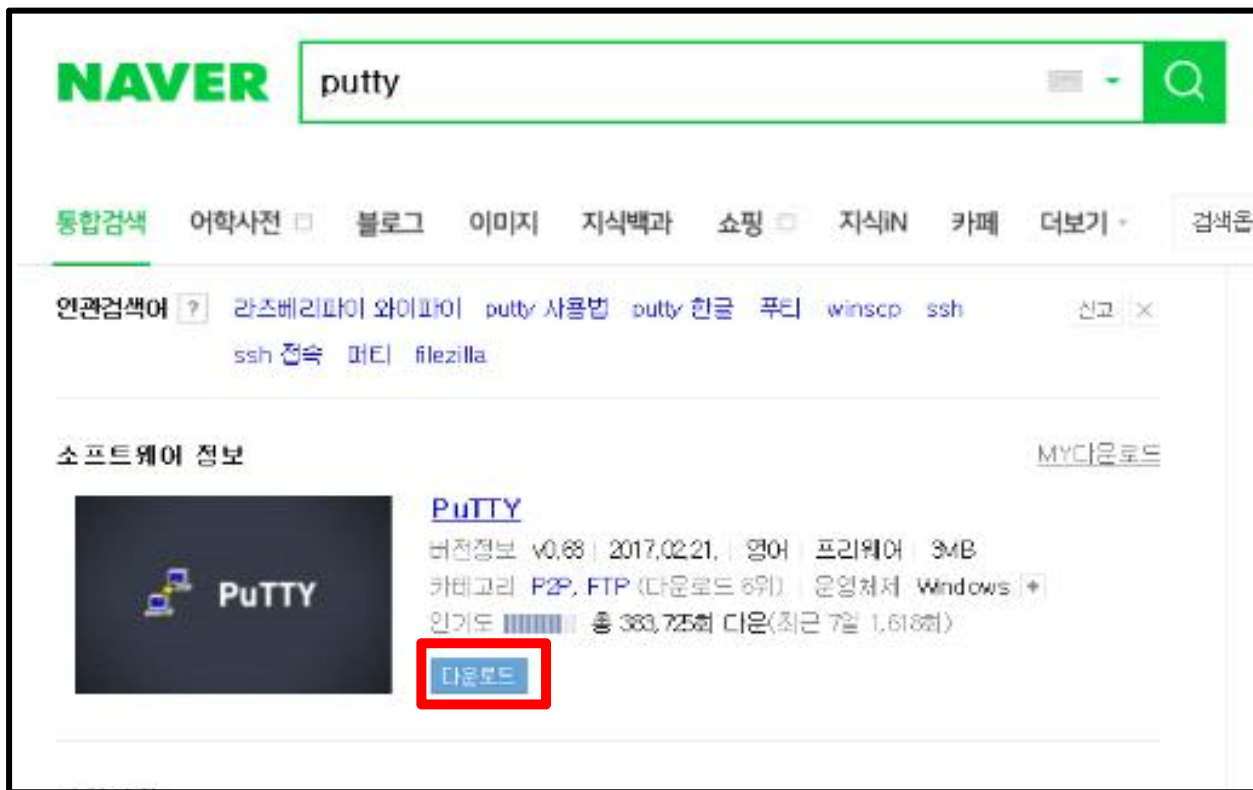


## 6.Putty 설정

## 5. 고정IP설정

### ▶ CentOS 설치

네이버 ->putty 검색 -> 다운로드



## 6. Putty설정

### ▶ CentOS 설치

다운로드(64bit) -> 확인후 다운로드 -> 다운로드

NAVER Software

안드로이드/마이크로 PDA/F.P

PuTTY

버전: 0.68 (최종: 2011.11.10)

다운로드 (32bit) 다운로드 (64bit)

설치 전 사용범위와 지원하는 OS를 반드시 확인해 주세요.

확인 후 다운로드

일반속도로 다운로드 됩니다.  
로그인 하시면 초고속 다운로드가 가능하고  
내가받은파일들을 관리 하실 수 있습니다.

다운로드 로그인

미인 화면

다운로드(다운 후 바로 실행해서 설치)

NAVER Software

PuTTY

putty-64bit-0.68-installer.msi (2.90M)

다운로드

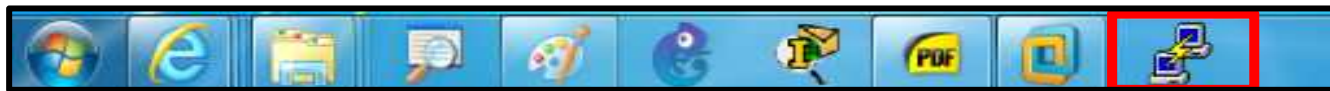
## 6. Putty설정

### ▶ CentOS 설치

검색 -> putty



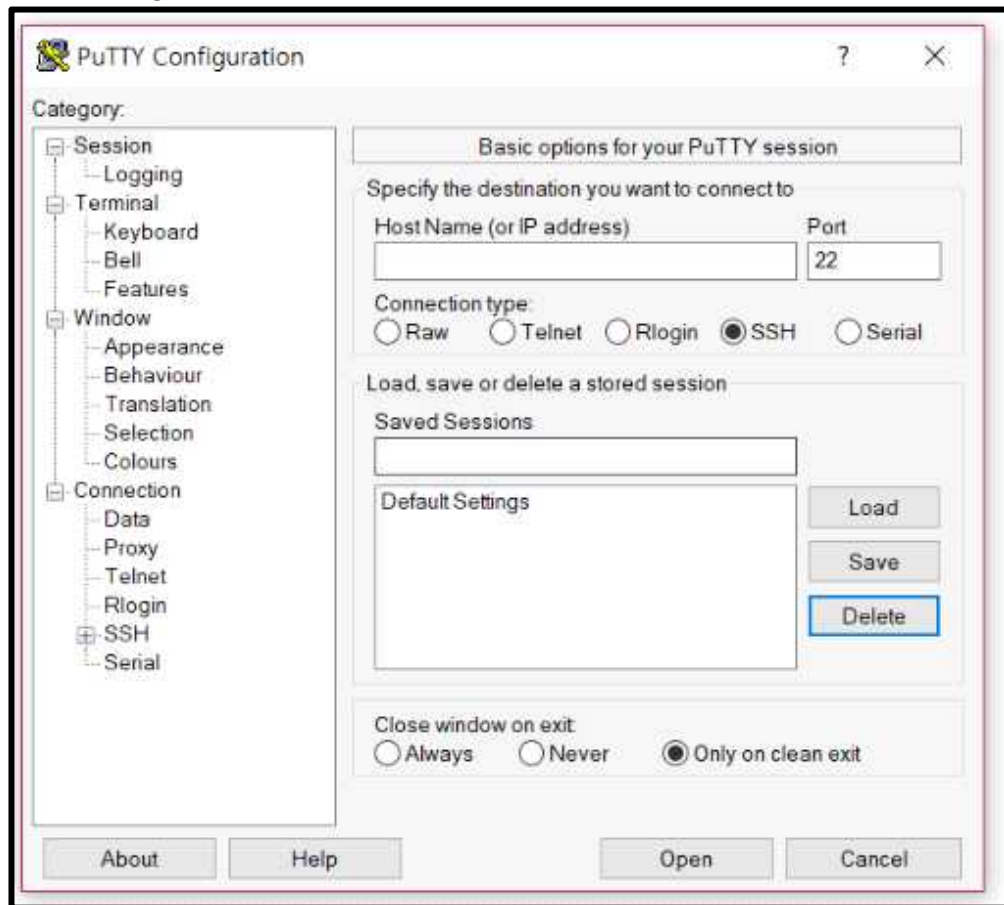
우클릭 작업표시줄에 고정



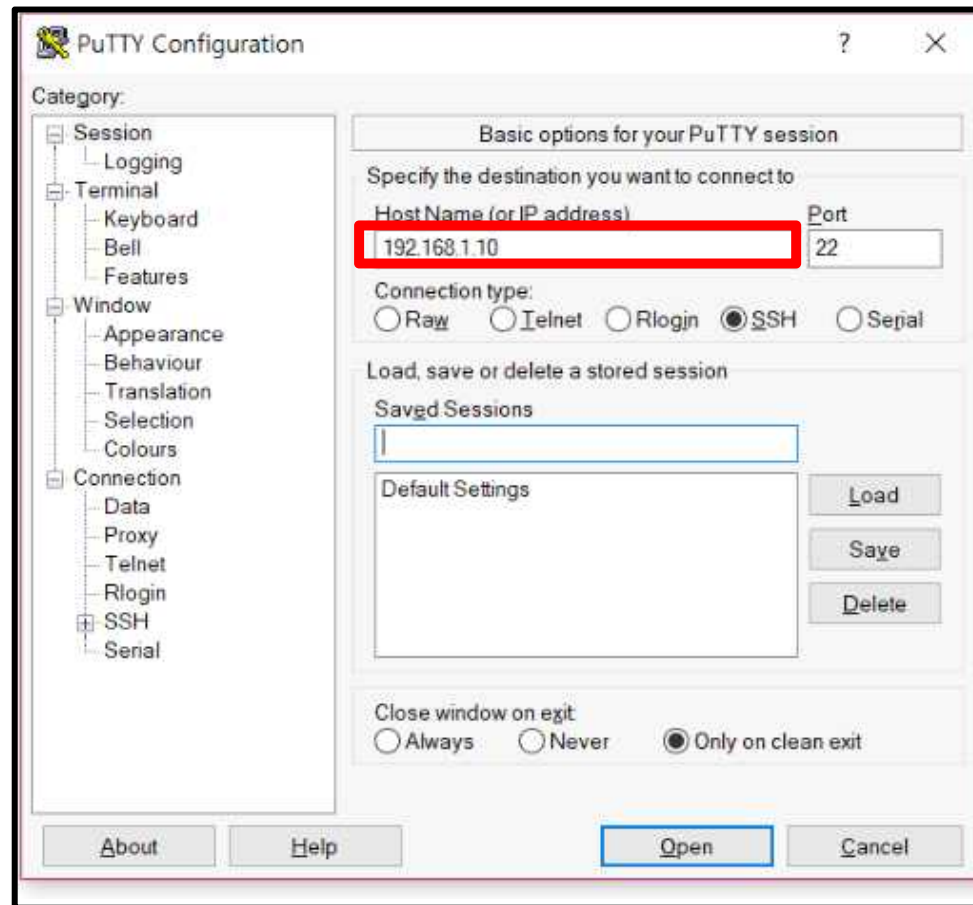
## 6. Putty설정

### ▶ CentOS 설치

Putty 실행



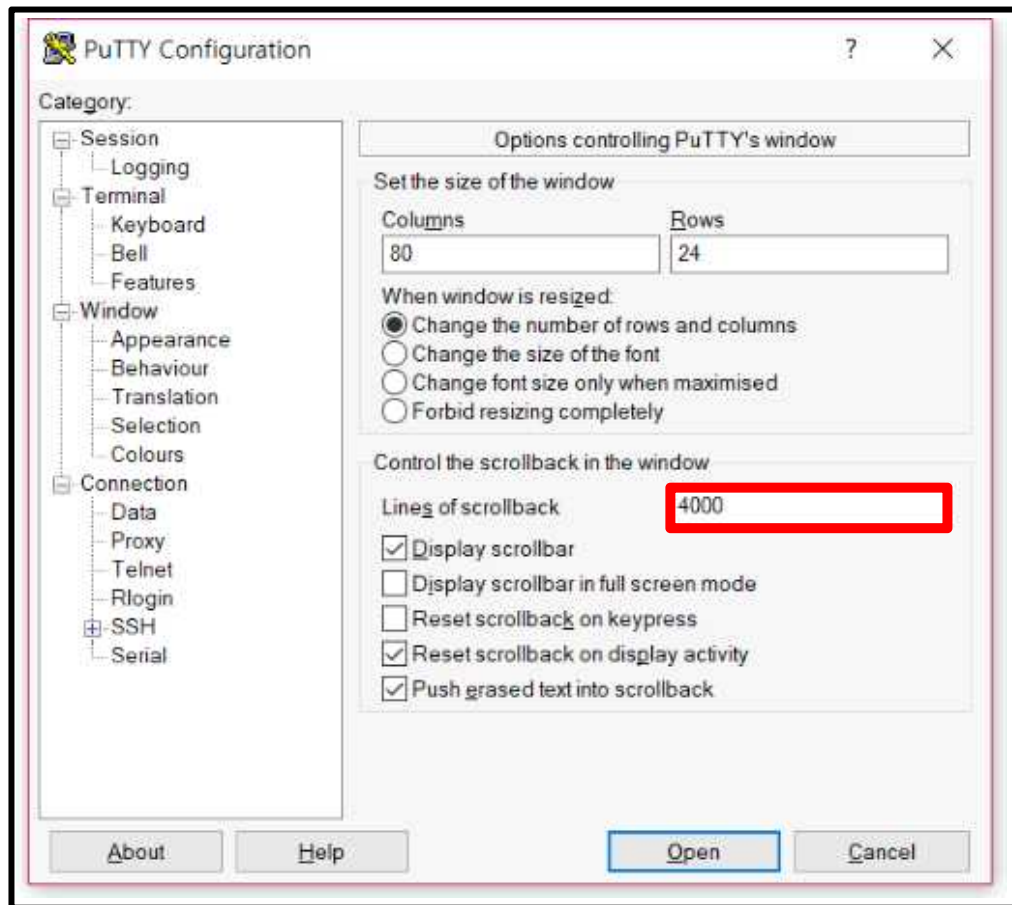
Host Name : 192.168.1.10



## 6. Putty설정

### ▶ CentOS 설치

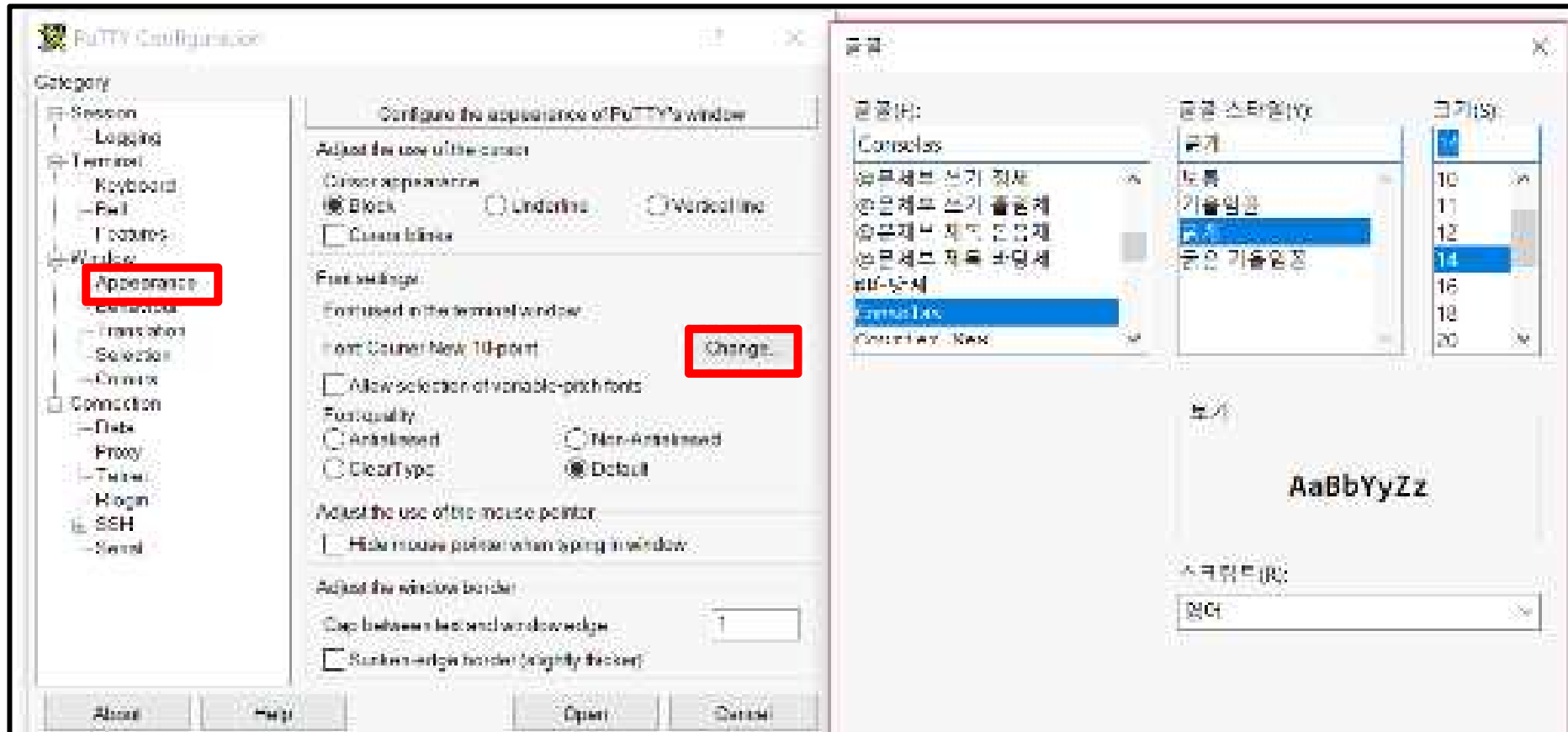
window -> Lines of scrollback : 4000



## 6. Putty설정

### ▶ CentOS 설치

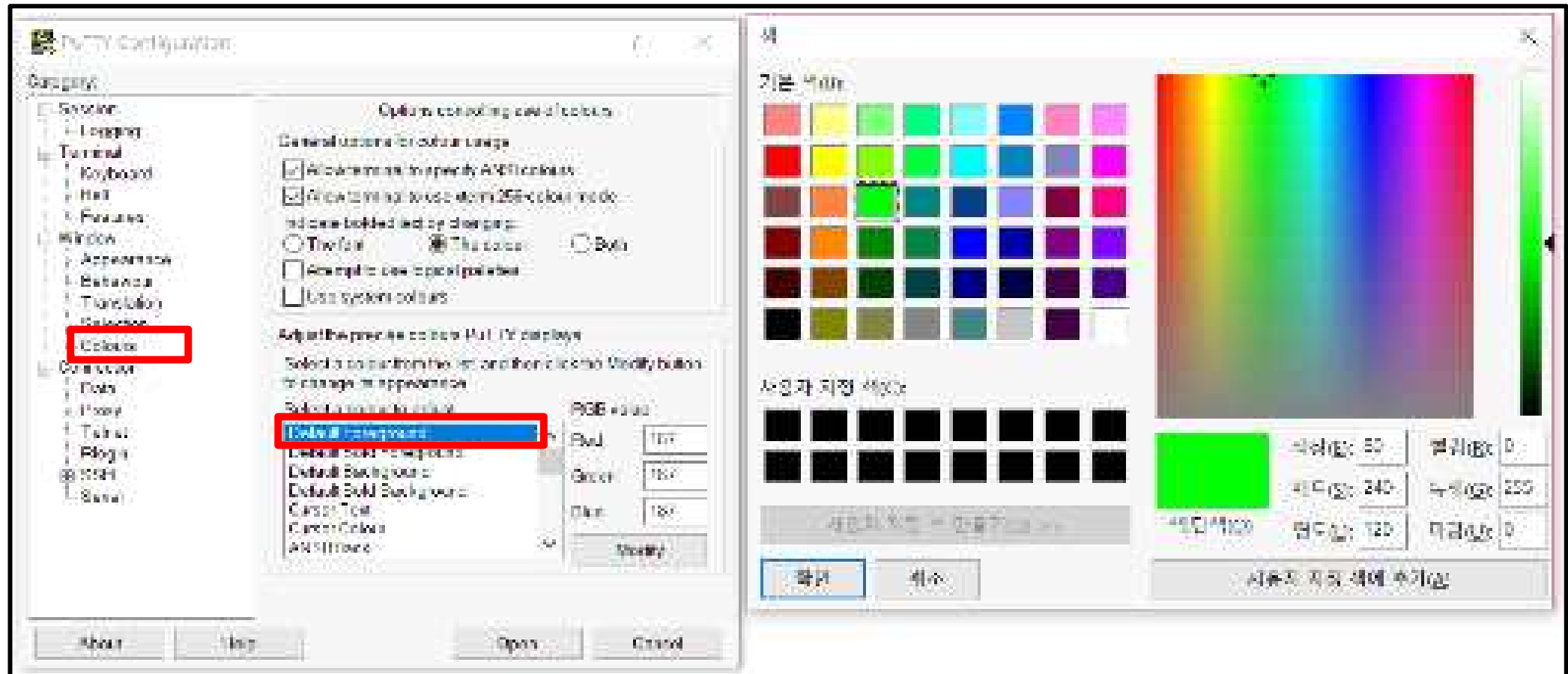
Appearance -> Change -> Consolas,굵게,14 선택



## 6. Putty설정

### ▶ CentOS 설치

Colours -> Default Foreground(기본글자색) 선택

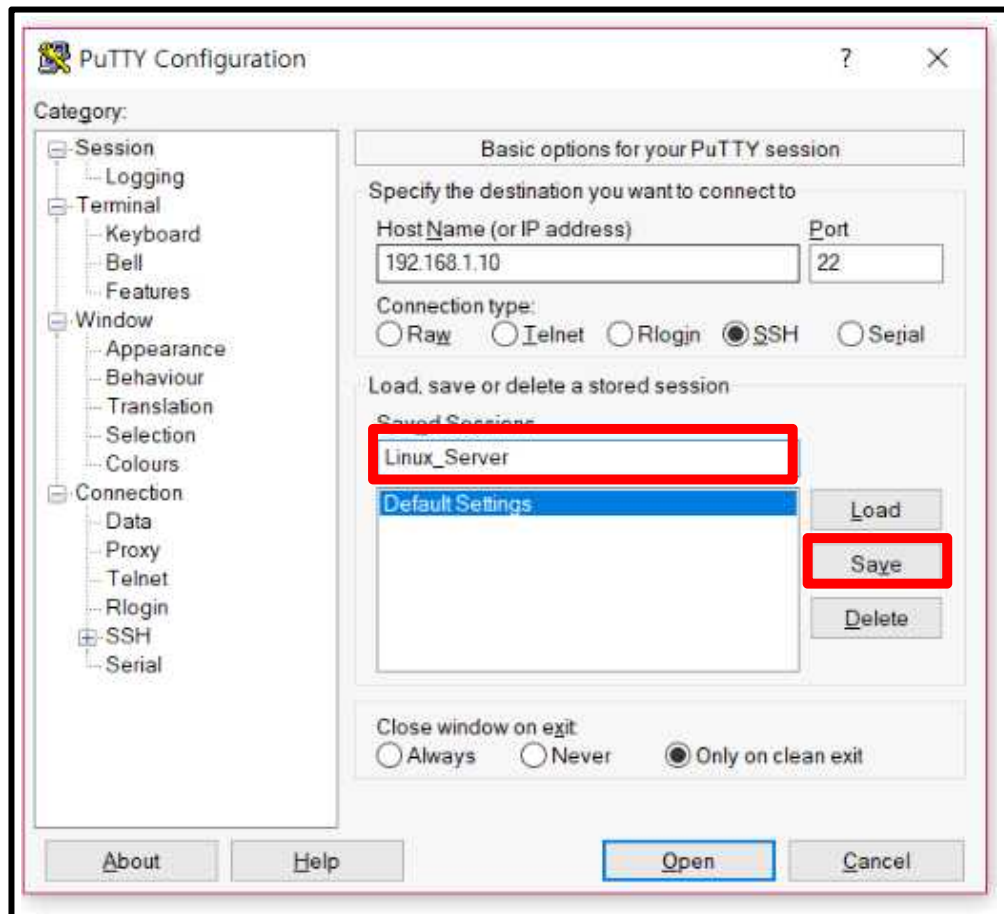




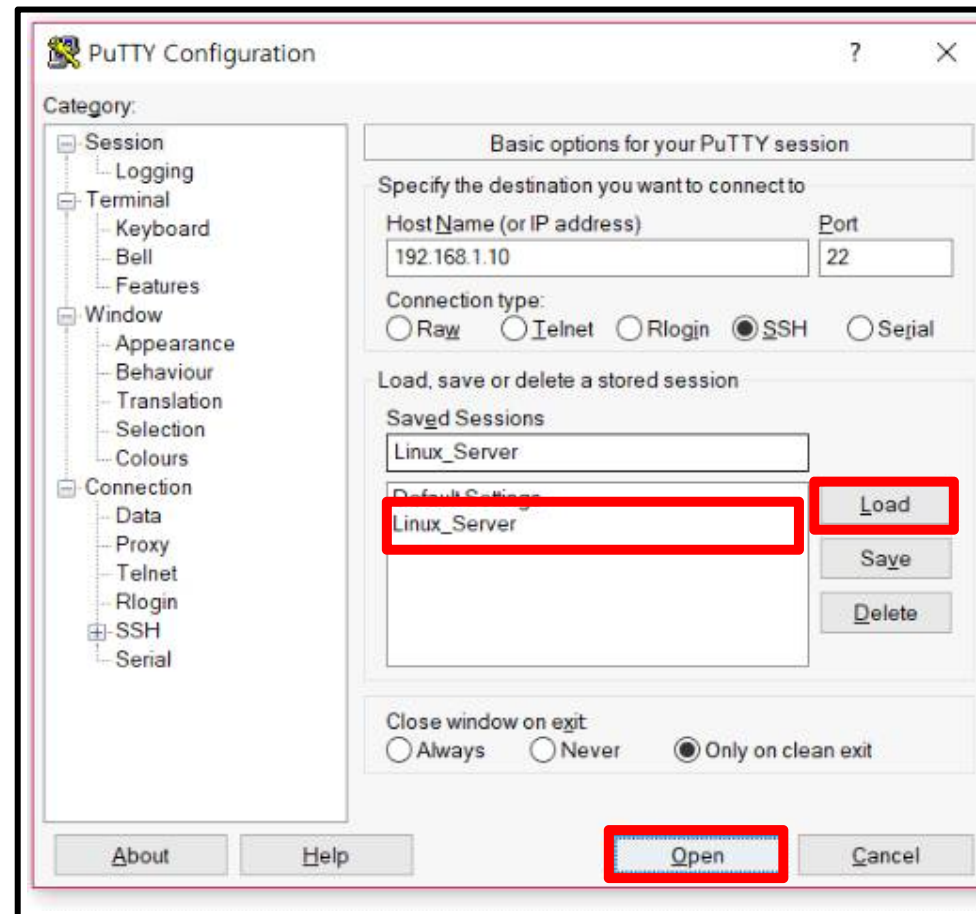
## 6. Putty설정

### ▶ CentOS 설치

Saved Sessions : Linux\_Server -> SAVE



Linux\_Server 클릭 -> Load -> Open



## 6. Putty설정

### ▶ CentOS 설치

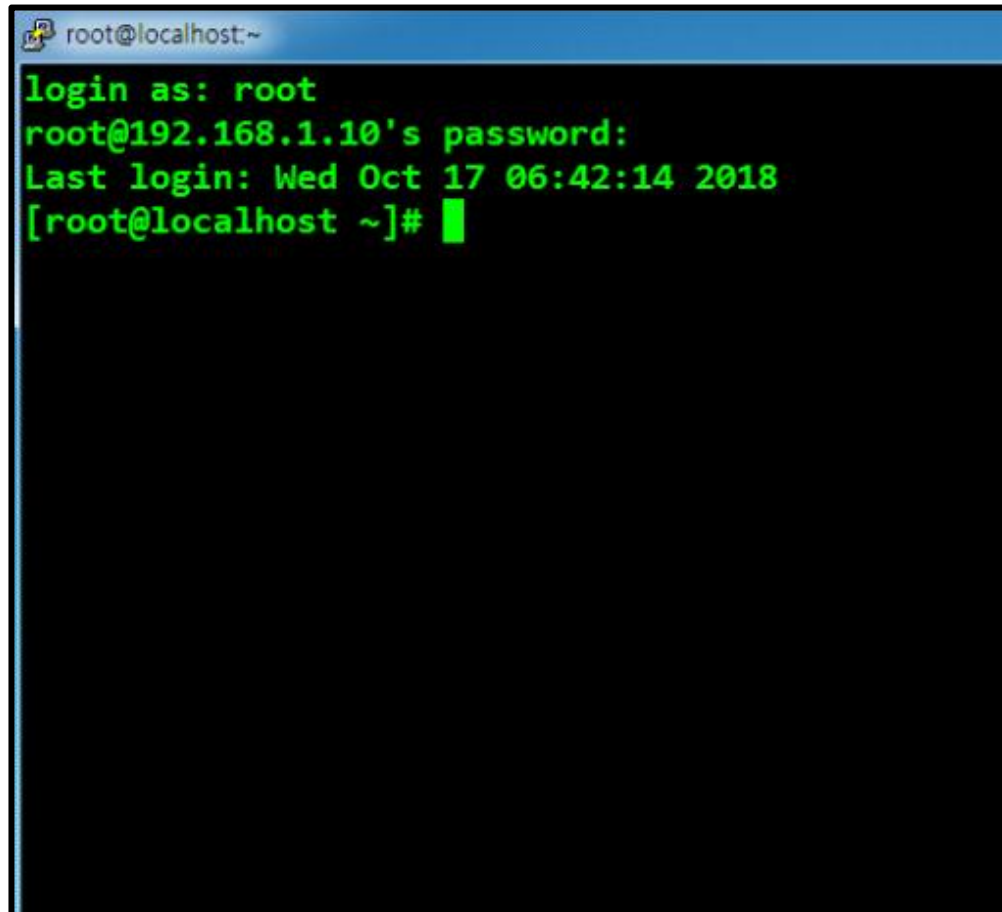
보안경고 -> 예 클릭



## 6. Putty설정

### ▶ CentOS 설치

ID : root / PW : 1 입력 로그인 확인

A terminal window with a blue title bar containing a small icon and the text 'root@localhost:~'. The terminal content is as follows:

```
login as: root
root@192.168.1.10's password:
Last login: Wed Oct 17 06:42:14 2018
[root@localhost ~]#
```

Thank You!